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The STORRS *and* HARRISON CO. *Painesville Nurseries, PAINESVILLE, OHIO*

Spring 1927


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U.S. Department of Agriculture



1. Radiance, 90 cts.
2. Wm. F. Dreer, \$1.25
3. Souv. de Claudius Pernet, \$1
4. Red Radiance, 90 cts.
5. Mrs. Wakefield Christie-Miller, \$1

By mail, postpaid, one each for \$4.75

By express, one each for \$4.50

- 
1. Bean, Early Wonder Wax
Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts.
 2. Beet, Early Model
Pkt. 5 cts., oz. 15 cts.
 3. Lettuce, Grand Rapids
Pkt. 10 cts., oz. 25 cts.
 4. Tomato, New Colossal
Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts.
 5. Radish, Early Round
Scarlet
Pkt. 10 cts., oz. 15 cts.

One packet each of the 5 varieties for 35 cts.

*1 ounce each (except Bean $\frac{1}{4}$ lb.;
Tomato $\frac{1}{4}$ oz.) for 70 cts.*





CATALOGUE No 2

SPRING 1927



FOUNDED
1854

THE PAINESVILLE NURSERIES

COME INTO OUR GARDEN

BEYOND the cordially swinging gate, lies every growing thing which the average person plants and cultivates to eat, or develops to look at and admire. There also are tidbits for the connoisseur and novelties for the collector. Cool shade is there, from Maple, Oak and Elm, and all the category of God's Trees. Flowering Shrubs and scented Roses; the kaleidoscopic panorama of Perennials in their varying bloom; the sombre, glad, enriching backgrounds of Evergreens; the lovely charity of Vines that screen; and vivid formal plots of the bedding Plants. Orchards give up their fragrance, from clustered blossoms or the ripening fruits. Eden may have borne the inception of them all, but a modern Nursery such as ours comes close to Paradise regained.

Of course, our "Garden" is figurative, meaning the book whose pages you are about to turn. But literally, **these things are here** in commercial blocks upon our more than 1200 acres, or within our greenhouse ranges. We invite your close inspection; solicit your patronage; and pledge you in the conduct of business relations, that policy of courtesy, fairness and integrity which our founders adopted, and 73 years of conscientious practicing has maintained.

THE STORRS & HARRISON CO.



Our Complete Stock makes it possible for customers to secure everything needed for orchard, kitchen-garden, lawn flower-beds, window-garden or conservatory on one order and normally, in but one shipment.

Our Seed, Plant and Tree Departments are entirely separate. Many customers prefer having their seeds shipped very early, their bedding plants late, with the fruit and ornamental section in season between. Even when this arrangement is not specified, we sometimes thus exercise our discretion, for the customer's best interests.

How to Order. Please use order sheets found in front part of this catalogue, carefully filling in blank spaces and enclosing payment for full amount of order. Write very plainly, or print: name, post office, county, state, street and house number or R. F. D. where you get your mail; with explicit directions if stock is to be shipped to some other town. To avoid mistakes do not write letters on same sheet as orders.

When to Order. As soon as this catalogue reaches you, send in your complete order for seeds, plants and trees, with definite shipping instructions which we will follow as closely as possible. By ordering early, we are enabled to assemble possibly all of your list while supply is unbroken and "set it aside" awaiting desired, or proper, shipping time.

Late Shipments. Our land is cooled and vegetation kept dormant by proximity to Lake Erie, several weeks later than other sections of corresponding latitude. This enables us to dig and ship stock in perfect condition after trees in most other sections are in full leaf, and to supply the slow warming points further north.

Non-Warranty. While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

Our Guarantee. All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee continued growth. Remember a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds, and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

THE STORRS & HARRISON CO., Painesville, Ohio.

Remittances should be made by post office or express money order, bank draft or registered letter, Remittances in any other way are entirely at sender's risk.

Postpaid by Mail. We deliver postpaid to any post office in the United States any article in this catalogue offered by mail.

Please bear in mind that parcel post shipments are limited in weight and volume, thus restricting mail service to small sized articles and rather small quantities.

Express Preferable. We do not prepay express charges. Where distance is not too great it is best to order by express; stronger stock in better condition can be sent, and if goods are miscarried or damaged, they can be more easily traced and damage rectified.

Catalogues. The following editions (except No. 1) free to all planters:

No. 1—One of the best descriptive catalogues issued; offering and describing a full line of fruit and ornamental trees, grape-vines, small fruits, roses, shrubs, climbing vines and hardy plants, with instructions for planting, spraying, etc., profusely illustrated with half tone cuts from photographs of desirable specimens. Price 10 cts.

No. 2—This one.

No. 3—Holland and other bulbs for fall planting, winter blooming plants, hardy perennial plants, shrubs, fruits, small fruits, grape-vines, etc., issued during August.

Orders less than \$1. We cannot afford to fill orders of less amount than one dollar, unless, in addition to amount for plants wanted, ten cents is sent. This does not apply to Seed orders.

(Signed) **THE STORRS & HARRISON CO.**



Our Seed Trade is entirely through this catalogue. It is the only agent we employ. We send out no seeds to be sold again on commission, but deal direct with the planters; thus devoting all our resources to supplying them with the best and finest stocks obtainable at the lowest reasonable cost. The substantial increase in business each year, rewards our policy, and proves that our seeds are meeting the requirements of particular planters.

Days Required. We have placed in figures after the name of most varieties of vegetables, the approximate number of days required from seed sowing, for that variety to reach the state when it is ready for harvest and market. This feature has received much commendation from our customers for the valuable service it renders them. These figures are based upon tests made in our own locality under average growing conditions. It should be borne in mind, however, that as location, climate, rainfall and soil all have so much to do with crop production, the number of days given will vary with differing conditions.

About Prices. At prices named, all Seeds you may order in Packets, Ounces, Half-Pounds, Pounds or Two Pounds, will be delivered by mail, postpaid. If ordered delivered by express or freight, deduct from such prices at the rate of ten cents for each pound.

Unless noted, all other quantities larger than two pounds will be sent at purchaser's expense, whether by Mail, Express or Freight.

Guarantee of Genuineness. While we exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge all Seed that may prove untrue to name, or refund the amount paid; it is mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said Seeds that prove untrue.

(Signed) **THE STORRS & HARRISON CO.**

RELIABLE VEGETABLE SEED

Vegetable Seed Collection

20 CHOICE VARIETIES
20 FULL SIZE PKTS.

[DELIVERED TO YOUR HOME
BY MAIL POSTPAID, FOR -]

\$1.00

A COMPLETE
VEGETABLE
GARDEN

Aggregate Value \$1.80

1 Packet Beans, Hodson Wax.....	\$.10
1 Packet Beet, Crimson Globe.....	.05
1 Packet Cabbage, All Head Early.....	.10
1 Packet Carrot, Chantenay.....	.10
1 Packet Celery, White Plume.....	.10
1 Packet Corn, Golden Bantam.....	.10
1 Packet Cucumber, Davis Perfect.....	.10
1 Packet Lettuce, Denver Market.....	.10
1 Packet Muskmelon, Early Hackensack.....	.10
1 Packet Watermelon, Cole's Early.....	.10
1 Packet Onion, Yellow Globe.....	.10
1 Packet Parsley, Moss Curled.....	.05
1 Packet Parsnip, Hollow Crown.....	.10
1 Packet Peas, Nott's Excelsior.....	.10
1 Packet Radish, Scarlet Globe.....	.10
1 Packet Salsify.....	.10
1 Packet Spinach.....	.05
1 Packet Squash, Hubbard.....	.10
1 Packet Tomato, Spark's Earliana.....	.10
1 Packet Turnip, Purple Top White Globe.....	.05



Stringless Green Pod Beans

ARTICHOKE

CULTURE. To obtain globes the first year, the seed should be sown in February or March and kept growing until the weather is suitable to transplant to the open ground. Seed sown in May will not bear globes until the following year. Transplant into rows three feet apart, setting the plants two feet apart in the row. Protect through the winter by mulching and earthing up around the plants.

Green Globe. Raised for the young green flower heads, usually boiled or baked and eaten with a butter sauce. Pkt. 10 cts., oz. \$1.00.

ASPARAGUS SEED

CULTURE. Seed of asparagus should be sown early in the spring, in drills two inches deep. When seedlings are one or two years old, transplant (for the family garden) twelve to eighteen inches apart in the row, and cover crowns to a depth of two inches. For commercial usage plant in rows four to five feet apart, placing crowns eight to ten inches apart in the row. *One ounce to fifty feet of drill.*

PRICE. (Except Washington) Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Columbian Mammoth White. (2 years) This is a very vigorous growing sort producing splendid white shoots of finest quality.

Conover's Colossal. (2 years) Very large strong shoots of excellent quality, not as clear white as Mammoth White, but preferred by many.

Palmetto. (2 years) The very earliest green variety, of delicious flavor; very popular and profitable as a market variety.

Washington. (2 years) The result of long experimentation by the U. S.

Department of Agriculture. Combines strong quick growth, extreme size, uniform development of stalks, dark green color and delicious flavor; with its greatest distinguishing quality—that of being rust-resistant. Those who grow asparagus in quantity for marketing, will appreciate this feature. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.00.

ROOTS of All Asparagus are offered on the last pages of the Fruit Department.

CULTURE OF BEANS. A light loam is best. Plant as soon as the ground has become thoroughly warm, in rows from two feet for hand cultivation, to three feet apart for horse cultivation, and every two weeks for a succession. Cultivate thoroughly and often, keeping a mulch of loose soil at all times; but when in bloom, cultivate shallow, as deep cultivation at this time causes many blossoms to drop, decreasing the yield. *One pound for 100 feet of row, 45 to 100 pounds per acre.* For inoculation, see "NITRAGIN" offer on page 30.

BEANS

PRICE OF BEANS. Prices quoted for pkt., $\frac{1}{4}$ lb., lb., and 2 lbs., are postage paid by us. If ordered by express or freight, deduct 10 cts. per lb.

GREEN PODDED BUSH BEANS

Early Bountiful. (42 days) Very good looking, hardy and very vigorous plants, practically rust and mildew proof. One of the very first beans available in spring, prolific at all times, and among the latest to quit production in the fall. The pods are uniform, extra long, broad, meaty although flat, absolutely stringless and continuously brittle; of rich green color and distinctive flavor. As shell beans, they are of an unusual quality, either green or dried. Pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Black Valentine. (40 days) Vigorous; very long and slender round pods of quality. For very early planting it stands cold and damp soil better than any other sort. Absolutely rust proof, seed black. Pkt. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Valentine. (43 days) A standard early variety. Pods of medium length, round, fleshy, tender and of good flavor; seed long, of medium size. Pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Kidney. (60 days) Large flat pods well-filled with large, red, kidney-shaped beans. One of the best varieties for use as a dry cooking bean, always in demand. Pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Stringless Green Pod. (42 days) One of the earliest and most hardy, producing an abundance of handsome round pods, many of which measure six inches in length, practically stringless. In addition to the excellence of its eating quality, and stringlessness, this variety has a long bearing season, which makes it very desirable for the small garden. Seed dark brown. Pkt. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.



Davis Wax Beans

Detroit Wax. (45 days) The erect plants of this early dwarf variety are hardy and productive. Pods are of an attractive bright yellow color, broad and flat, four to five inches long. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Improved Golden Wax. (40 days) Pods are of good length, oval and quite thick, entirely stringless; of clear, waxy, golden yellow color, and fine buttery flavor. Seed white, mottled brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 22 cts. per lb.

Hodson Wax. (50 days) A vigorous grower, the yield of large handsome creamy white pods enormous; very long, straight or slightly curved, flat but fleshy. While late in maturing, its remarkable vigor is an effectual safeguard against blight and other bean disease. Seed light yellowish brown, splashed with dull crimson. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Round Pod Kidney Wax. (40 days) Two popular characteristics of this bean are its freedom from disease and the abundance of large, lemon yellow, fleshy round pods which hang thickly on the plants, of fine flavor, stringless and free from rust. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Wardwell's Kidney Wax. (48 days) One of the most popular in this section, the large size of the pods making it especially desirable for either home or market use. The strong vines yield abundantly, pods long, flat, broad and of a delicate waxy yellow, brittle and of the best quality. Seed white, mottled with dark around the eye. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

FIELD BEANS

White Marrow. (60 days) Extensively grown for sale as a field bean for winter use. Seeds large white, twice the size of the Navy or Pea bean. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

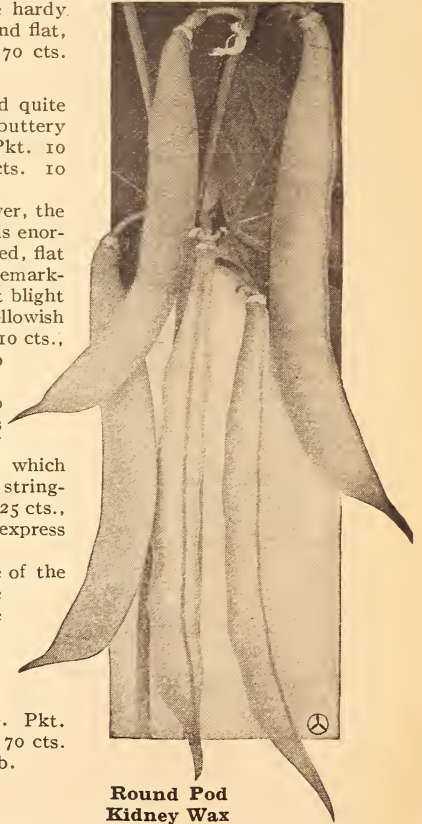
Navy. A sure cropper, very productive, and best quality; much desired for baking. Dry beans, small, oval, white; green podded. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

If ordered by Express or Freight, remember to deduct 10 cts. per lb. from postpaid rate.

YELLOW PODDED or WAX BUSH BEANS

Davis Kidney Wax. (40 days) This returns a large yield of handsome pods which are long, flat, clear waxy white and do not stain in canning. One of the best sorts for market as it ships well, delivering in good condition. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Early Wonder Wax. (35 days) (See illustration on second cover page.) The very earliest wax bean, becoming edible in 35 days, and bearing bountifully during a long season apparently regardless of whether it is wet or dry. Makes a strong plant 18 inches high with even greater spread, always well set with pods 5 to 7 inches long. These are flat, plump, meaty, and of a tender brittleness; their clear yellow color seldom scarred by rust. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts.



Round Pod Kidney Wax



Hodson Wax

POLE or RUNNING BEANS

Plant from 10th to 15th of May in this latitude. The soil should be well enriched. Set poles four feet apart each way and plant six to eight beans around them; when well started, thin to three plants to each hill. The pole Limas are separately offered under "Lima Beans."

Early Golden Cluster Wax. (72 days) The finest of all the wax podded pole beans. It bears profusely its large, flat, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing long. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

Old Homestead or Kentucky Wonder. (65 days) An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown. Of varying pod length, but in their best young, brittle and most delectable state will average 7 to 8 inches. Not only the first Pole Bean to bear, but usually the last as well, an all season provider. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Lazy Wife. (70 days) One of the best for snaps of the later green podded Pole Beans. Pods borne in large clusters, are long, broad, thick, fleshy. Dry beans are excellent for winter use. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts.

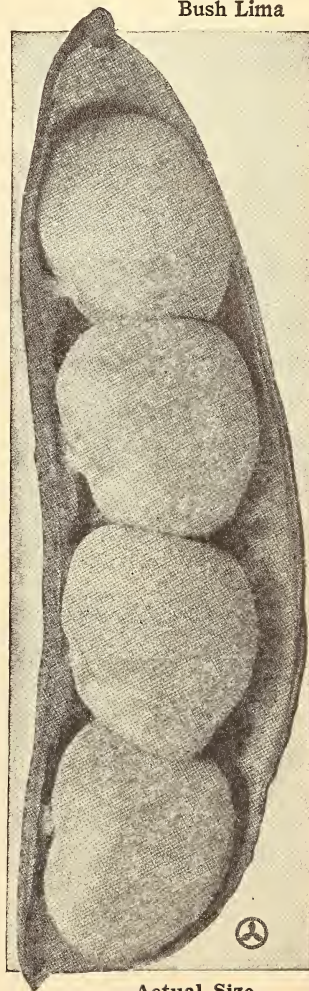
Horticultural or Wren's Egg. (75 days) This is the corn field favorite, the so-called October Pole Bean. Does equally as well planted in corn as on poles. Bean large, round, pink striped with red, of excellent flavor, used in pods or shelled, pods light green striped with red. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts.; lb. 40 cts., 2 lbs. 70 cts.

POLE LIMA BEANS

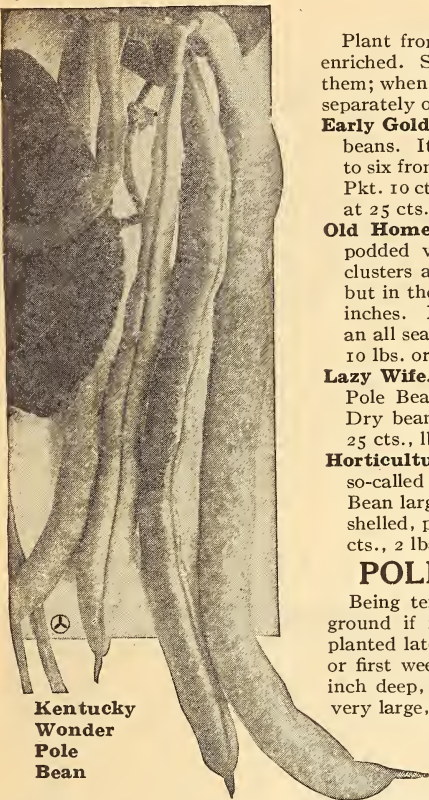
Being tender and liable to rot in the ground if it is cold and wet, must be planted later, say about the last of May or first week in June. Plant about one inch deep, with the eye down. Seed is very large, flat and usually white.

Set poles three feet apart at time of sowing. Be liberal with seed, but thin to three or four plants.

Fordhook
Bush Lima



Actual Size



Kentucky
Wonder
Pole
Bean

Carpinteria. A new early variety which bears abundantly, with three to five large, meaty beans to the pod. These are of rarest flavor and quality, retaining their distinguishing green color even after being dried. We would say this sort is one of the very best. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 30 cts. per lb.

Early Leviathan. (75 days) Very productive, pods contain from 3 to 4 large tender beans of the best quality and fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

Giant Podded (90 days) A prodigious cropper, with great clusters of well filled pods, both pod and beans very large. A little earlier as a rule than King of the Garden; of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts.

King of the Garden. (90 days) A vigorous grower bearing profusely. The beans are of good size and have a flavor unsurpassed by any variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

BUSH LIMA BEANS

Identical with the pole varieties in size of pods. Plant in three foot rows, four inches apart; or in hills, two feet apart in the row.

Burpee Improved Bush Lima. (85 days) Excellent flavored beans, borne on large vigorous plants. Extremely prolific, hanging in enormous clusters. Pods contain from four to six beans of greenish white color. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts. 10 lbs. or more by express at 30 cts. per lb.

Fordhook Bush Lima. (80 days) This is of an ideal bushy growth with stiffy erect stem and branches. It is an enormous bearer of plump well-filled pods which are borne in clusters of four to six, all ready for use at the same time. The beans are large, thick, and of most excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 35 cts., lb. 55 cts., 2 lbs. \$1.00. 10 lbs. or more by express at 35 cts. per lb.

BEETS

Beets should have a rich loam soil. In preparing your seed bed, pulverize as fine as possible. Cultivate thoroughly and often. Sow as early as ground can be worked, in drills from twelve to eighteen inches for hand culture, to two and one-half feet for horse cultivation, cover to a depth of one to two inches. Continue sowing every ten days for a succession. Thin to a stand of four to six inches apart in the rows. One ounce to sixty feet of drill; five to six pounds per acre.

PRICE, unless noted: Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

Crimson Globe. (45 days) Of fine shape, with a smooth and attractive dark red skin and small tap root. The interior is a rich deep crimson and fine grained in texture.

Crosby's Egyptian. (40 days) Improved Early Egyptian; thicker, smoother, better color and quality.

Detroit Dark Red Turnip. (50 days) Globular; smooth, dark blood red; flesh bright, tender, sweet.

Early Model. (45 days) (See 2nd cover). Early, of perfect globe shape, and fine quality. The beets are always smooth, of the deepest blood red color and quickly attain a good size.

Eclipse. (45 days) Early, extra fine quality, smooth, round; skin and flesh red, fine grained and sweet. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

Half Long Blood. (65 days) Best for winter use.

Swiss Chard Lucullus. The plants grow to a height of two to two and one-half feet. The stalks are heavily ribbed, and from ten to twelve inches long below the leaf; are delicious when cooked and served in the same manner as asparagus. The leaves are large, heavily crumpled or "savoyed," crisply tender and of fine flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

SUGAR BEETS and MANGELS

Thinned to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when young, but discontinue as soon as the roots mature, indicated by drying of leaves. Store in earth covered heaps.

Giant Half Sugar Rose. (95 days) White, with a rosy top; flesh pure white.

Golden Tankard. (95 days) A golden fleshed mangel; roots half long and very large.

Klein Wanzleben. (65 days) 100 tons have made 18 tons of sugar.

Mammoth Long Red. (115 days) Long smooth roots of large size.

PRICE OF MANGELS—Oz. 10 cts., ¼ lb. 20 cts., lb. 65 cts. 10 lbs. or over by express at 50 cts. per lb.



Crimson Globe Beet

BRUSSELS SPROUTS



Highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely to the stalk of the plant, being produced in abundance from tip to ground level. Quality and flavor much improved by frost. Seed should be sown thinly in drills early in June, the plants reset when six inches high into rows 3 to 4 feet apart, 18 to 24 inches apart in the row.

Improved Dwarf. (125 days) Grows 1½ feet high, and is very productive. Pkt. 10 cts., oz. 25 cts.

CAULIFLOWER

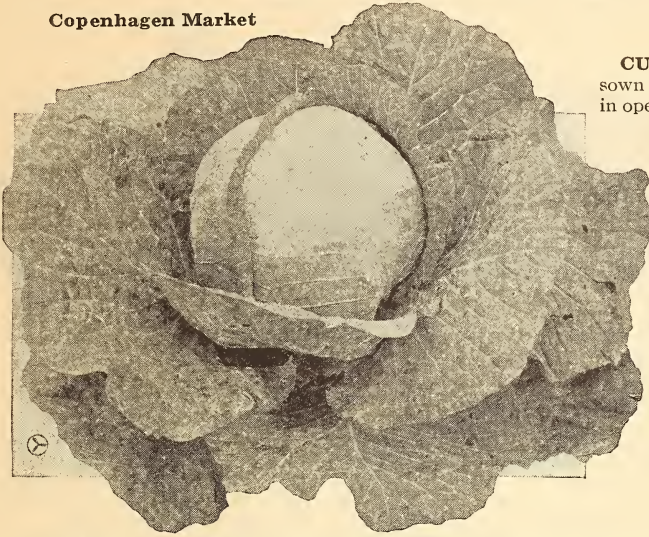


Early Snowball Cauliflower

CULTURE. Cauliflower are partial to a rich fibrous loam well charged with humus. An occasional light dressing of nitrate of soda and potash are beneficial. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in January or February in hotbed, and transplant to cold frames 2 or 3 inches apart, when sufficiently large; and to the garden 24 to 30 inches each way, as soon as the ground is warm enough. For late autumn crops sow in the early part of June, and transplant in July. When the heads are formed, draw the leaves up over them and tie with cloth or raffia, to blanch the heads.

Danish Giant or Dry Weather. (100 days) A late variety and a splendid drought resister. Heads are large and while not so close as Snowball or Erfurt it makes a splendid pickling type. Sure header in even the driest weather. Pkt. 20 cts., ¼ oz. 80 cts., ½ oz. \$1.50, oz. \$2.50.

Early Snowball. (90 days) Very early, and one of the surest to head. If seed is sown March 1st, large-sized heads will be produced early in June. Its dwarf habit of growth renders it one of the best for forcing under glass. Valuable for late planting also. Pkt. 20 cts., ¼ oz. 80 cts., ½ oz. \$1.50, oz. \$2.50.

Copenhagen Market**CABBAGE**

CULTURE. The early varieties should be sown very early in the spring in hot bed or later in open ground. Plant out 18 inches by two feet apart. The late varieties are usually sown by the last of May and the plants set out in July, in rows three feet apart and two feet apart in the rows. *One ounce will produce 3,000 plants. One-quarter pound of seed in beds enough for an acre.*

All Head Early. (90 days) Of the flat head type. The earliest of all large cabbage. They are solid. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

American Drumhead Savoy. (110) The Savoys excel all other cabbages in flavor, and this is the best of the Savoys. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Charleston or Large Wakefield. (85) Popular with market gardeners in the south. About a week later

than Early Jersey Wakefield, but larger. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Copenhagen Market. (75 days) Produces magnificent heads similar to Danish Ball Head, weighing from eight to ten pounds. We unhesitatingly recommend this variety to commercial grower and home gardener alike, as worthy of extensive planting. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Danish Ball Head. (120 days) Dutch Winter or Hollander. The heads are of medium size, solid and deep, averaging in weight nearly eight pounds. Their quality is superior and they are just as solid in spring as when put away in the fall. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Early Jersey Wakefield. (75 days) This is the hardiest and hardest heading of the extra early sorts, and most Northern gardeners depend upon it for their first crop. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Early Spring. (80 days) The earliest of the flat headed varieties, producing a compact head upon a short stem. Quality is of the best, sweet and tender. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Eukhuizen Glory. (80 days) An excellent early variety that has become very popular with the market gardeners. Heads are medium sized, dark green color, solid and heavy. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Mammoth Rock Red. (110 days) By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, deep red inside as well as out. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

Odense Market. (110 days) A superior variety of red cabbage. Dark red in color, heads medium sized, hard and heavy. Desirable for pickling and salads as well as general use. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Premium Flat Dutch. (110 days) A good cabbage for late use. It possesses all the good qualities of the late Flat Dutch, and is a sure header. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Sure Head. (100 days) Makes a solid large head, with few outer leaves. A strong, vigorous grower. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

CHINESE CABBAGE

CULTURE. For early use sow in hot bed in Feb. or March. When four inches high transplant, if the weather is suitable, one foot apart in two and one-half foot rows. For late or main crops, sow in Aug. or early Sept.

Pe Tsai. While not a cabbage, it is closely related, both belonging to the Brassica family. When well grown, makes a head 15 inches long and 4 to 5 inches in diameter, blanching to a beautiful white. May be eaten as a salad or is delicious when cooked in the various ways cabbage is served. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.

**American Drumhead Savoy****Mammoth Rock Red**

CARROTS

Chantenay Carrots, Illustrated



CULTURE. Cover the seed about one-half inch, pressing the soil firmly. Sow as early in spring as the ground can be worked; and for late crop from May 1st to June 1st, in drills 15 inches apart. Thin to three or four inches apart in row. $2\frac{1}{2}$ lb. of seed will sow an acre, or 1 oz. to 200 feet of drill.

Chantenay. (60 days) Uniform shape, intermediate in size, deep golden orange; fine for table use. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Danvers. (75 days) A smooth carrot of good size. One of the best for stock feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Guerande or Ox Heart. (75 days) A variety good either for family use or market, and profitable for feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Improved Long Orange. (75 days) A long variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Improved Nantes. (65 days) Half-long, almost cylindrical, blunt end and very small tap root. Flesh fine grained, with very little core, the skin orange, and very smooth; one of the best table sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Large White Belgian. (90 days) Giant stock feeder. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 80 cts.

CELERY

3,000 to 5,000 plants from one ounce of seed.

CULTURE. Sow in open ground as soon as the soil can be perfectly worked; roll or firm the lightly covering soil to retain moisture, as the seed is slow to germinate. Sowing in rows ten to twelve inches apart is preferable to broadcasting; this means allowing cultivation to be kept up.

Transplant in July to a previously prepared bed made considerably richer than seed bed, six to eight inches apart in the row. Single rows should be four feet apart; but twin-rows ten inches apart (doubling returns with the same labor) should skip six feet.

Columbia. (110 days) An early maturing sort, of medium height, but very stocky and heavy; the foliage a distinct light green tinged yellow. The stalks are thick, almost round, a rich yellow tint, unsurpassed in quality. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$4.00.

Easy Blanching. (110 days) Crisp and delicious, attractively colored. Plants set out in June are fully matured and ready for use early in September. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.



Golden Self-Blanching

Golden Self-Blanching. (110 days) Rarely, if ever, pithy; and of a rich golden yellow color, self-blanching. Our seed is genuine French grown, of finest quality, in greatest demand among market gardeners. Pkt. 10 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.50.

Giant Pascal. (135 days) For second early and midwinter use. The stalks are large, thick, solid, crisp and of a rich nutty flavor, free from bitterness. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

White Plume. (120 days) Its eating qualities are excellent; its white feather-like foliage a real table ornament. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Winter Queen. (140 days) This is one of the finest varieties for winter use. Makes a stocky, vigorous growth, blanching readily to a beautiful creamy white. Hearts are large and solid, very crisp and tender. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Celery for Flavoring. Excellent to use for flavoring soups, pickles, etc., although germination is too poor for use as seed. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

Celeriac Giant Prague. (125 days) The root is turnip-shaped, sweet and tender, and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts.

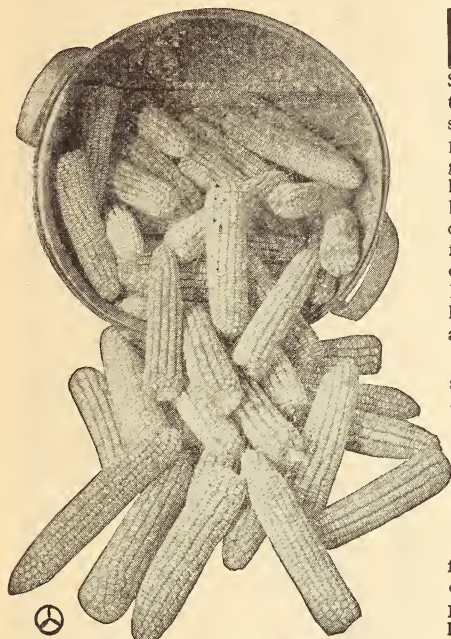
COLLARDS

Georgia. Forms a loose head of cabbage-like leaves which are largely used for greens. May be used as soon as large enough, but are improved with frosts. Sow seed in open ground, and when well started thin to 15 inches apart in the row. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.



Giant Pascal Celery

FIELD CORN



White Cap Yellow Dent

Drought-Proof Yellow

(90-100 days) This variety resists dry

weather and scorching heat better than any other sort. It is a large grained Dent, earlier than Leaming. Grain is a bright golden yellow. Stalks are strong and heavy, bearing large well shaped ears. Heavy producer, being exceeded by no other in yield per acre. The beautiful deep grains, large handsome ears, and the abundance of fodder make it a variety to be desired for general use.

Improved Leaming (100 days)

One of the most desirable varieties of standard yellow corn. Being a medium early sort it will mature farther north than many varieties and is adapted to all but the most northern parts of the corn belt. The ears are large, of good shape, and well filled with deep grains. This variety is excellent for fodder or silage as the tall stalks are well filled with foliage.

Im-
proved
Leaming

CORN is king of all the cereals. Upon this crop is dependent much of the wealth and prosperity of the country. Statistics show that the average yield of corn in the United States is less than thirty bushels per acre. While weather conditions play an important part in the yield of any crop, the poor showing made in corn is largely due to carelessness in the seed planted. Many farmers pay no attention to the quality or germinative power of seed they use. By planting selected seed, known by test to be of high germination, much of this loss could be prevented and the yields greatly increased. Northern grown corn has long held the reputation of being superior to all others for seed purposes. It is more hardy and ripens earlier. Our seed corn is all Northern Ohio grown along the shores of Lake Erie. It is hardy productive stock, tested for germination before it leaves our hands. To aid in handling and shipping, we supply all corn shelled ready for the planter.

Prices for one pound and two pounds are postage paid; if ordered by express deduct 10 cts. per pound.

Ten to twelve pounds of seed are required to plant one acre in hills. For silage, thirty to thirty-five pounds are required.

All varieties. lb. 25 cts. By express or freight 10 lbs. or over at 8 cts. per lb. 100 lbs. or over at 6½ cts.

Pride of the North

(80-85 days) This

is the earliest of all the yellow Dents and the most dependable for maturing a crop. An ideal corn for the northern section. The ears are of fair size with extra small cob, will produce as much shelled corn to the acre as most of the large eared varieties.

Reid's Yellow Dent.

(100 days) This is without doubt the most popular variety of corn grown in this country. The large ears, eight to eleven inches long, have eighteen to twenty rows of closely set kernels upon a very small cob. The color is a rich deep yellow, with the cap of kernel slightly lighter, kernels dented.

White Cap Yellow Dent (85-95 days)

We have an excellent strain of this popular variety which is one of the most satisfactory sorts to raise. Succeeds on almost any kind of ground and is a heavy yielder. Ears are good sized and deep grained. The kernels are a beautiful lemon yellow with a well dented white cap.

ENSILAGE CORN

Cuban Giant Ensilage. (120 days) Where a heavy growth for ensilage purposes is desired, we believe we offer in Cuban Giant the ideal variety. Makes an enormous growth, stalks tall and plenty of forage. The grains are pure white, broad and long, of good vitality. A good milk producer, sweet and tender. 10 lbs. or more by express at 8 cts. per lb. 100 lbs. or over at 6½ cts.



SWEET CORN

Plant in hills 3 feet apart each way, or in 4 foot rows with hills a foot apart. Cover only a half inch; and thin out to three plants to a hill.

Please note that prices quoted for Pkt., ½ lb., lb. and 2 lbs. are postage paid by us. If ordered by express or freight, deduct 10 cents from pound rate.

One pound plants 150 hills; eight to twelve pounds per acre; in drills or broadcasted for fodder 20 to 50 pounds per acre.

EXTRA EARLY VARIETIES

Golden Bantam. (60 days) Whatever the reason, you all know it for a fact that this is the most popular sweet corn ever used. "Golden Bantam" is a household word. Older, contemporaneous and future varieties must compare with it for rating. Matures with the earliest and by making a planting every two weeks, may be had from early summer until frost. Kernels are a rich golden yellow, tender, with a flavor exceptionally rich and pleasing. Ears are eight rowed, six to seven inches long, just the right size for serving on the cob. Sweetest of all corns. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 20 cts. per lb.

Barden's Wonder Bantam.

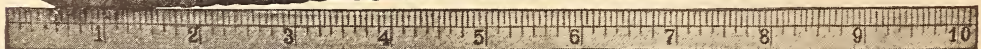
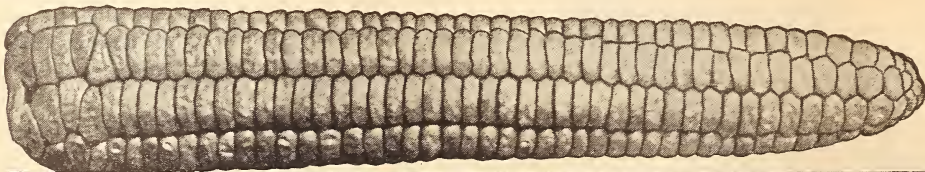
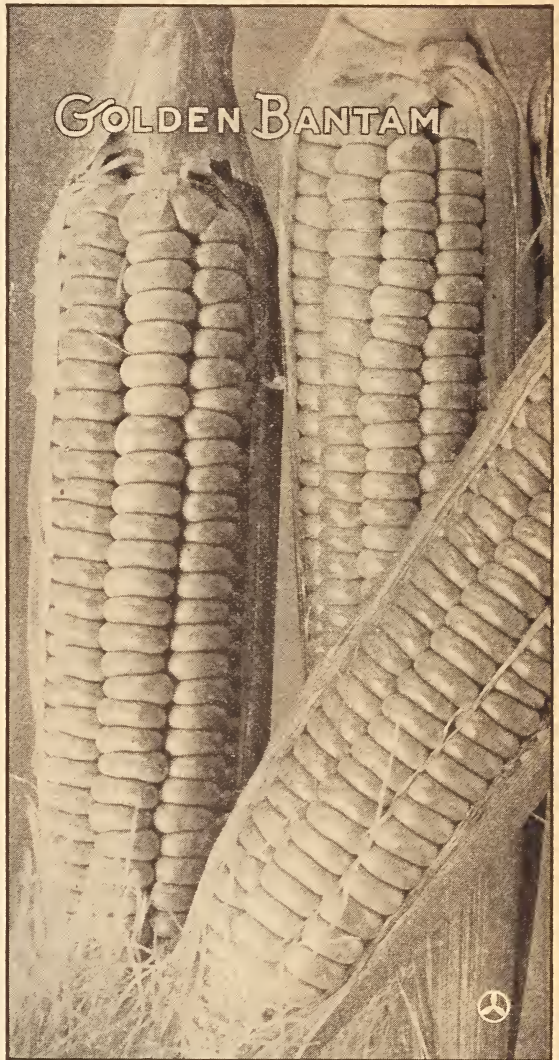
(60 days) This improved type exemplifies Golden Bantam at its best—early, richly colored, plump, juicy and distinctively flavored; but going further towards perfection from the Marketer's and Canner's standpoint, Barden's Wonder produces higher up on taller stalks (5 to 6 feet); ears much longer (8 to 10 inches long), thus greatly increasing the tonnage per acre and consequent profit, at no sacrifice of earliness or Bantam quality. Pkt. 15 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

Extra Early Adams. (52 days) Not a sweet corn, but is so hardy that a planting may be made before it is safe to plant the sweet varieties. Roasting ears may be had extremely early and are of good quality. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts.

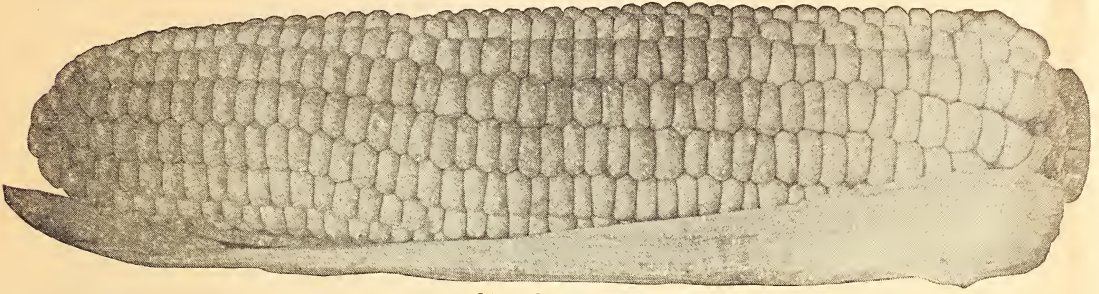
Howling Mob. (65 days) This is a very popular variety. It is the largest eared of all the early sorts and usually produces two ears to the stalk. Ears from 7 to 9 inches long, well protected with husk, kernels large and pure white. A fine variety for market. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 20 cts. per lb.

Kendel's Early Giant. (65 days) Early, yet the ears grow to a remarkable size, measuring 8 to 10 inches in length, with usually 12 rows to the ear. Kernels are pure white and of splendid eating qualities. This variety is a prime favorite with the market gardener and is an excellent sort for the home garden. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts.

Mammoth White Cory. (65 days) Large ears with twelve rows of perfectly formed kernels. The grains are large, pure white and of excellent quality. For an early pure white sugar corn this old favorite is unsurpassed by any. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.



Barden's Wonder Bantam—illustrated to show the increased length of ears.



Stowell's Evergreen

MEDIUM EARLY SWEET CORN

Bantam Evergreen. (70 days) Bantam Evergreen is the result of a cross between Golden Bantam and Stowell's Evergreen. It has inherited all the good qualities of both parents. It is as sweet as Golden Bantam, the same beautiful color, but in addition has an ear nearly as large as Stowell's. The kernels are deep grained, plump, a beautiful cream color at the eating stage. Pkt. 10 cts. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

Country Gentleman. (70 days) This is sometimes known as shoe-peg from the small peg-like kernels, irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. The quality of this variety is fine and is preferred by some to all others. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express, at 20 cts. per lb.

Early Evergreen. (70 days) This variety is about 10 days earlier with nearly as large an ear as the Stowell's, and equal to it in every other respect. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts.

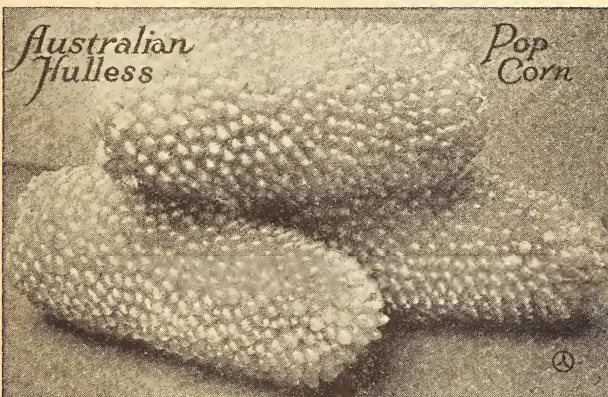
LATE SWEET CORN VARIETIES

Black Mexican. (75 days) One of the most sugary. The grains when first perfected are pure white, and at their best. They then become dark, though still retaining their sweetness. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

Stowell's Evergreen. (80 days) The old popular variety. Hardy and productive, tender and sugary, remaining a long time in a condition suitable for eating. A good sort to plant for fodder, as it makes a rank growth of heavy forage. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 18 cts. per lb.

SWEET CORN FOR FODDER

There is nothing better for green-feed or curing for forage than Sweet Corn. Cattle highly relish it and keep in fine condition when fed upon it. Dairy cows who receive a regular ration of corn-fodder give an abundance of milk. Also excellent for soiling. Sow thickly in drills, or broadcast at the rate of 2 bu. per acre. 10 lbs. or more by freight or express at 10 cts. per lb.; 100 lbs. at 8 cts. per lb.



POP CORN

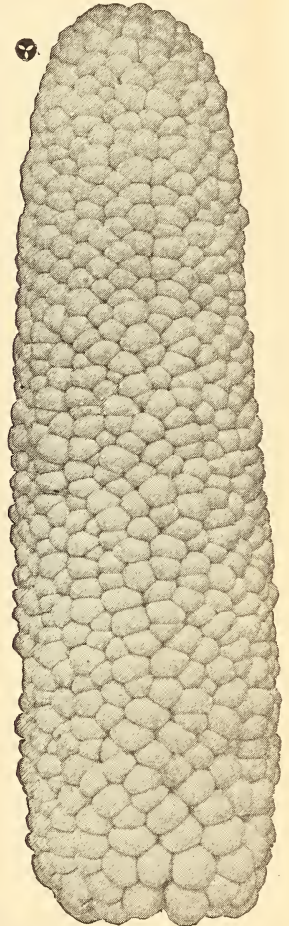
Sow in rows 3 feet apart soon as beans can be planted using more than one row, to ensure pollinization, covering 2 to 3 inches deep with fine soil. Thin the plants to stand 10 or 12 inches apart in the row. The ears should be allowed to dry out thoroughly, before attempting to pop.

Pkt. 10 cts., lb. 30 cts. 10 lbs. or more by express at 15 cts. per lb.

Australian Hulless. Various known as "Tom Thumb" or "Bumble Bee" popcorn, distinguished by an absence of hull or shell when popped. Dwarf growing, but a heavy yielder of short, chunky ears. The kernels are pearly white, unusually long and slim, of splendid popping quality and appealing flavor.

Queens Golden. Stalk five to six feet; two or three large ears each. Kernels rich yellow but pop out pure white over an inch in diameter.

White Rice. Three or four short ears, kernels long and pointed resembling rice in shape as well as its pearly white color. A splendid popper.



Country Gentleman



The New Longfellow

CUCUMBERS

Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills four to six feet apart each way, with 10 to 12 seeds in a hill; cover one-half inch deep. Air slaked lime or "Slug Shot" sprinkled on the plants every few days as soon as they are up will protect them from the striped beetle. When all danger from insects is past, thin out plants, leaving three or four of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. One ounce to 50 hills. 2 to 3 lbs. per acre.

Arlington White Spine (55 days)

Much improved by careful selection and much superior to the old sort. It is a rich green in color and is very productive. One of the best varieties for forcing, equally good for outdoor planting. Often sown mixed with Long Green for assorted pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Cool and Crisp. (65 days) Fruits are straight, long, slim and even, a healthy dark green. Very productive, and by reason of its uniform shape, makes one of the best pickling sorts, also excellent for slicing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Davis Perfect. (50 days) A first-class variety for forcing under glass; also for outdoor culture, and shipping. The color is a dark glossy green, long, slim in shape. It is tender and of exceptionally good flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Early Fortune. (52 days) For a good all-round cucumber this distinctive variety is the finest yet introduced. The rich dark green fruits when matured at the slicing stage average $7\frac{1}{2}$ to 8 inches in length and retain their color remarkably long. The flesh is firm, with a small seed cavity, making it a good shipping and market as well as pickling sort, producing an enormous quantity. The vine growth is very vigorous, and the large leaves, very resistant to disease. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



Davis Perfect Cucumbers

Early Cluster. (50 days) Vines vigorous, producing the crop near the roots and in clusters. Fruits short, early and of good shape for pickling. Very prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Everbearing. (65 days) The young fruit is symmetrical, deep in color and crisp. It is of medium size and makes a fine pickle. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Improved Chicago Pickling. (68 days.) Very popular with the market gardeners. Fruit is of medium length, pointed at each end with large and prominent spines, color deep green; extremely prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Improved Long Green. (65 days) Slicing and pickling. Of excellent quality, dark green, firm and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Lemon Cucumber. (55 days) Shaped and colored like a lemon, with fine bitter-free flavor. May be eaten green, but is best just as it is turning yellow. Makes excellent pickles, but excels for slicing and salads. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

The New Longfellow. A short description for a long cucumber. The fruit averages 12 to 14 inches in straight length by about $2\frac{1}{2}$ inches diameter, and is borne early and in real abundance despite its great length. One of the very few cucumbers which, when grown out doors, resembles the hot-house type; holding its dark green color until the last, and being in all other respects equally desirable. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

West India Gherkin. Grown exclusively for pickles, to be picked when young and tender. Oval, two to three inches long, and thickly studded with heavy spines. Pkt. 10 cts., oz. 25 cts.

Windermoor Wonder A notable new variety both profitable in the field, and an ideal forcing type. The fruits are firm, comparatively seedless, of uniform slim shape 12 to 16 inches long, persistent dark green color, and excellent flavor. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

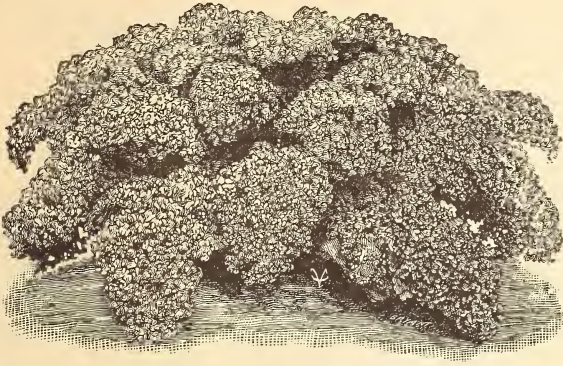
CRESS

Pepper Grass—Extra Curled. Extensively used as a small salad with lettuce. The leaves while young have a warm pungent taste. Sow rather thick in shallow drills, and at short intervals during the season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

Water Cress—Erfurt. Hardy perennial aquatic plant, growing along streams and ponds. Sow seed at edge of water, covering lightly, may also be sown in tubs. Pkt. 10 cts., oz. 40 cts.

DANDELION

CULTURE. (55 days) Sow early in spring in drills 18 inches apart; thin out and cultivate; they will be fit for cutting the next spring. For roots, sow in September, and cultivate well; they will be fit to dig next October. Our seed is from carefully selected thick-leaved stocks. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

**Dwarf Green Curled Kale**

EGG PLANT

CULTURE. Sow in hot bed early in spring; transplant two and one-half feet apart each way after weather becomes settled and warm. If no hot bed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris green applied same as to potatoes will keep them in check. *One ounce to 1,000 plants.*

Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts., ¼ lb. \$1.50.

Black Beauty. (140 days) The fruits are broad and thick, of attractive form and finest flavor; rich purplish black, entirely free from spines or thorns.

Improved Large Purple. (125 days) Fruit remarkably large, often measuring 12 inches in depth and 9 inches in diameter, weighing five to six pounds.

ENDIVE

A fall and winter salad. For early use sow in April; for late or main crop, in June or July, in drills 14 inches apart; when two or three inches high thin to one foot apart in the drills. When fully grown should be blanched. **Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts.**

Large Green Curled. (40 days) A broad leaved variety.

White Curled. (35 days) Pale green, mid-rib yellow.

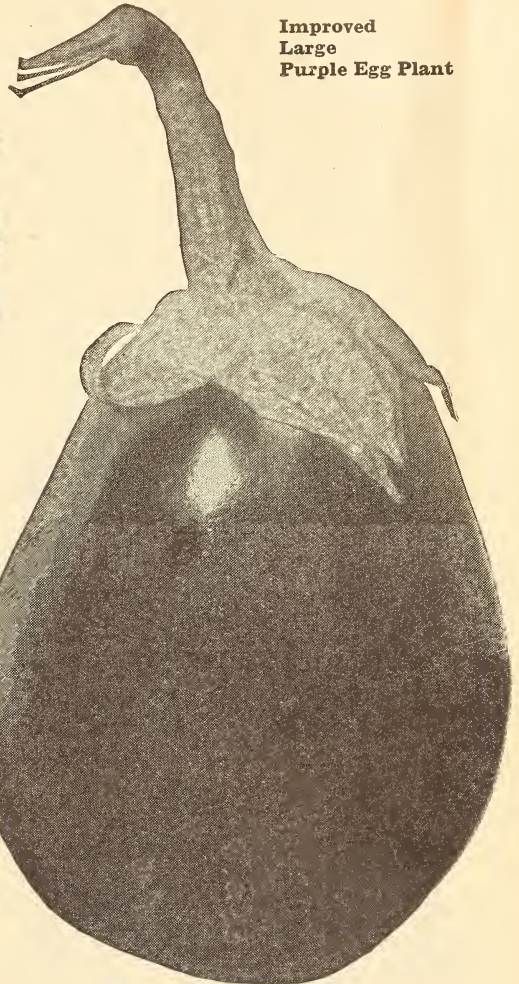
Broad Leaved Batavian. (Escarolle.) (45 days)

Good as a salad, or cooking like Kale or Mustard.

KALE

CULTURE. Kale is one of the hardiest of "Greens" belonging to the Cabbage family. Sow either in rows or broadcast; in early spring, for summer and fall use; August or September for spring use. *One to two pounds to an acre. One oz. of seed should produce about 3,000 plants.*

Dwarf Green Curled. (55 days) This is the most popular variety, dwarf and very hardy, with splendidly curled leaves, tinged slightly with yellow. **Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts.**



**Improved
Large
Purple Egg Plant**

KOHL RABI

A turnip-rooted cabbage, the edible part being the bulb which grows on a stalk a few inches above the ground. Use before bulbs get to be more than two inches thick, as all varieties are tough and stringy when overgrown. It is well to remove the thick outer skin before boiling. They may be served just like turnips.

CULTURE. The seed should be sown in the spring three-fourths of an inch deep in drills two feet apart. When the plants are a few inches high, thin to eight inches apart. *Two pounds of seed for one acre.*

PRICE. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

Early White Vienna. (50 days) Dwarf, small, early; bulb handsome, firm, glossy white; the best variety for the table.

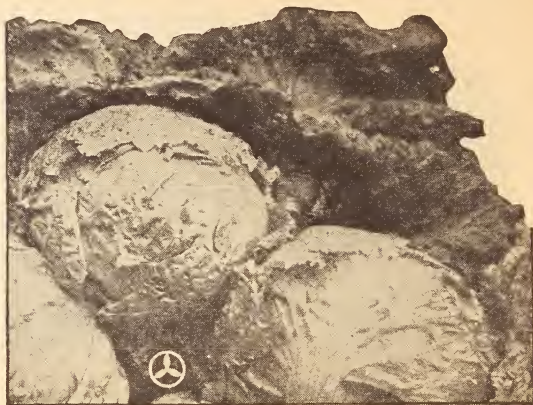
Purple Vienna. (70 days) A fine purple type much liked for later use.

LEEK

American Flag. (70 days) Closely allied to the Onion, it is used in soups, stews, or boiled whole and creamed; its mildness and distinctive flavor making it very popular. The entire lower portion, or neck, of the plant is used. Sow early in the spring in drills one inch deep and one foot apart. When six or eight inches high transplant as deep as possible, that the neck may be blanched. *One ounce to 150 feet drilled. Pkt. 10 cts., oz. 25 cts.*

LETTUCE

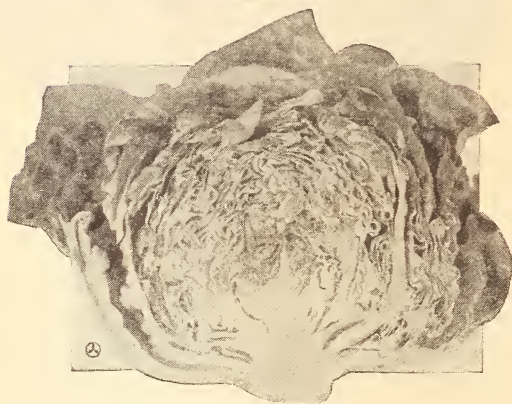
CULTURE. Lettuce seed should be covered very shallow to secure germination, especially the black seeded if sown under glass or in the house. For early spring use sow in September and protect through the winter in cold frames the same as cabbages, or sow in hot beds in March and transplant to open ground as soon as it can be worked. For late supplies sow in the open ground as soon as the season will permit, in rows one foot apart; thin out plants one foot apart in rows. If sown every two or three weeks to the middle of August, it may be had in perfection the entire season. *One ounce will sow 125 ft. of drill and produce 3000 plants.*



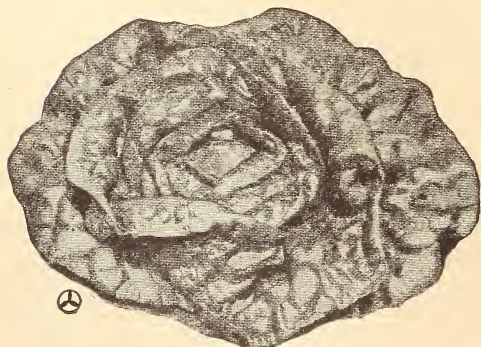
New York or Wonderful



BIG- BOSTON



Improved Hanson



May King

Big Boston (45 days) Of the head types it is easily the leader, giving equally good results under glass or in the open. Leaves are light green and very tender. Our strain of this variety is unsurpassed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Black Seeded Simpson. (40 days) The leaves are thin, tender, and of a light green color; very early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

California Cream Butter. (42 days) A very popular variety of head lettuce. Forms a large head of a rich buttery flavor. Leaves are thick, the outer ones green, slightly tinged with brown. An easy sort to grow and ship. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Denver Market. (45 days) An early lettuce for forcing or open ground culture. The leaves are beautifully curled and crimped. Crisp, tender and of excellent flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Prize Head. (50 days) Bright green, tinged with brownish red, of superb flavor, tender and hardy. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Grand Rapids. (38 days) (See illustration on second page of cover) As a forcing variety for winter and early spring use this stands at the head of the list. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Improved Hanson. (45 days) Heads large, fine form, deliciously sweet, tender and crisp, color green outside and white within. Intermediate between the loose-leaved and heading varieties (black seeds). Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

May King. (42 days) Grown outdoors it is extremely early, maturing handsome light green heads of good size, unsurpassed in quality, and solid enough to make it a good shipper to distant markets. For forcing under glass it is most desirable. A first-class all purpose variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

New York or Wonderful. (55 days) The largest heading lettuce known. They attain 15 to 18 inches across, and are solid as a cabbage, heart being particularly solid, and colored a tempting light green. Unrivalled for long season; crisp, tender and delicious. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Wayahead. (42 days) One of the very earliest and surest to head, either in cold frame or open ground; of large size, tightly folded, the interior blanched to a rich butter yellow. Quality is extra fine throughout the season. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

White Self-Closing Cos. (55 days) Of all celery or Cos lettuce, this is the leader. Beautiful light colored outer leaves, centers blanching to a pure white, very tender and of delicious flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

MUSK MELON

CULTURE. Melons require rich soil. Sow ten to fifteen seeds to each hill, which should be six feet apart each way. When well started thin out to three or four strongest plants. *One ounce will sow or plant fifty hills, two or three pounds to the acre.*

PRICE, unless otherwise noted —Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.50.

Banana. (85 days) Makes a long banana-like growth, very fragrant and of delicious flavor. Excellent for the home garden.

Bender's Surprise. An oval, heavily netted melon averaging ten pounds, of delicious flavor and sweetness. The deep orange flesh is very thick, the rind very firm, which helps hold them in good condition a week after picking. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Burrell's Gem. (75 days) Rich dark green, well ribbed and covered with a fine grayish netting. The deep orange-salmon flesh is thick and firm, ripening close to the skin, sweet and tender. Holds up well when shipped and is a good sort for any market.

Early Hackensack. (60 days) This is an extra early, large, and productive variety. The fruits are deeply netted, flesh light green; of most excellent quality. Recommended for sections with a short season.

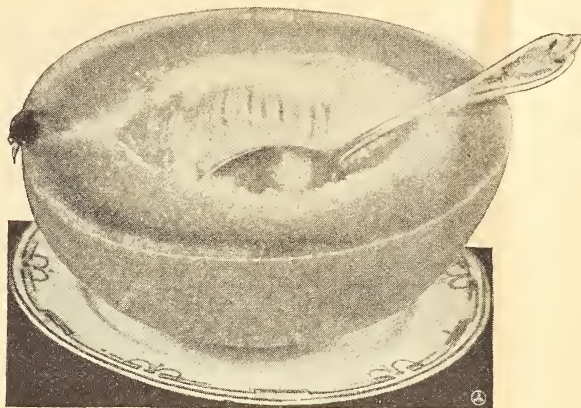
Edwards Perfecto. (75 days) Derived from Rocky Ford, showing also a trace of Burrell's Gem. It is round without ribs, heavily netted; the salmon pink flesh exceedingly thick, sweet and spicy; a splendid shipper. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Emerald Gem. (80 days) Very popular with both home and market gardeners; dark emerald green, with lighter stripes. Flesh very thick, dark salmon.

Fordhook. (70 days) The thick flesh is very firm, salmon, very highly flavored; seed cavity small; early and continuous; heavily ribbed, medium in size, weighing about two pounds.

Hearts of Gold. (70 days) Good to look at with its fine netting, fairly distinct ribs, uniform just-right table size, and satisfying abundance. The flesh is a luscious pink and gold, with little waste in seed cavities; flavor unexcelled; shipping profitably. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Nicholson's New Honey Ball. (90 days) "Sweetest of the Sweet". The sugar sweet flesh of Honeydew encased within the thin, firm, perfectly round rind of Cannonball. Of medium size, hardy, prolific and long keeping, this combination of two fancy types is of exceptional quality when ripened on the vine, and commercial value. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00.



The luscious Honeydew

Honeydew. (120 days) Much in demand at fancy prices in the markets.

They are nearly round in shape, with a hard, firm white smooth rind that enables them to be safely shipped any distance. The solid fruits may be laid away for deliberate ripening making them available for use even late into fall when other melons are gone. The flavor is unlike that of any other melon and is sweet as honey; flesh firm, light green, with few seeds. Requires rich warm soil and a fairly long growing season. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

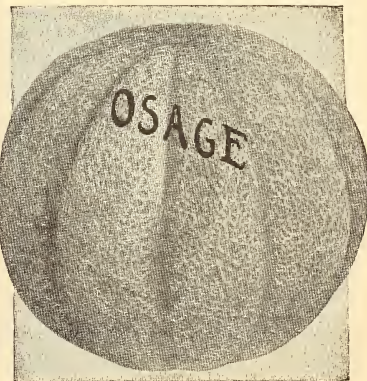
Lake Champlain. (57 days) A new variety which has proved out

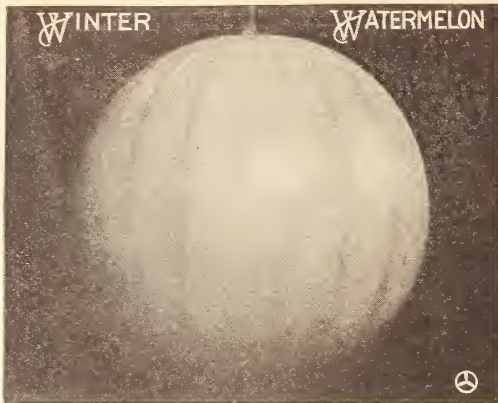
supreme in numerous widely separated tests for hardness, earliness, productiveness and quality. The melon is medium sized, intricately netted, moderately ribbed; the flesh is deep, very sweet and melting, of a beautiful golden yellow color. The plants are very vigorous and bushy, ripening perfect fruits even under adverse conditions, far in advance of all competing varieties. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.00.

Osage. (Selected) (75 days) Of uniform quality, sweet and delicious. The skin is thin, dark green and slightly netted; the flesh deep salmon, of spicy flavor. A good keeper and largely planted. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Rocky Ford. (70 days) Flesh greenish white in color, very juicy and rich and good clear to the rind. Medium, round, oval; an excellent keeper.

Tip Top. (80 days) Very productive, medium size, nearly round, slightly ribbed and fairly well covered with shallow netting; flesh deep yellow.



**Harris' Earliest**

flavor. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

***Irish Grey. (90 days)** The tough rind withstands long shipping, and helps the melon to keep well; besides displaying an oval surface of attractively mottled greenish grey. The flesh is an enticing red, firm, sweet and notably free from hard centers and stringiness. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

***Kleckley's Sweet. (70 days)** The skin is a rich, dark green, the flesh bright scarlet, ripening close to the rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Klondike. (80 days) A wonderful home garden and market type, particularly in the southwest. Flesh good red, rind dark green, melons long averaging 20 lbs. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

New Winter Watermelon. A home-grown melon for your Thanksgiving dinner! Genuine mid-season form and luscious flavor carried beyond the melon-choly days, when frost has bit the pumpkin and corn is in the shock. This is not a "Citron," nor a freak, but a very prolific long-keeping true watermelon type of medium size, round shape, yellowish rind; with flesh bright red, crystalline, sweet as honey. Take fruits from field before frost, and store in cool cellar. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Sweet Heart. (90 days) Fruit large, oval, mottled light and dark green. Flesh bright red, solid, tender and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

The Watson. (90 days) One of the very best melons introduced to date. Perfect in shape, rind is dark, glossy green, very tough and thin, the flesh dark red, very crisp, no strings and most delicious. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

WATERMELON

CULTURE. The best soil for growing these tempting, luscious products of the field, is sand; but well drained loam if sun-warmed, will produce excellent crops. Plant in hills eight feet apart each way, using a shovelful of well rotted manure in each hill, thin to six plants to hill; after all danger of bugs is past, further thin to four plants. Do not plant melon seeds until the ground is thoroughly warmed. Use "Slug Shot" for bugs. *White seeded varieties.

One ounce plants 20 to 40 hills or four pounds for one acre.

Citron. (100 days) Red seeded. For preserving. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts.

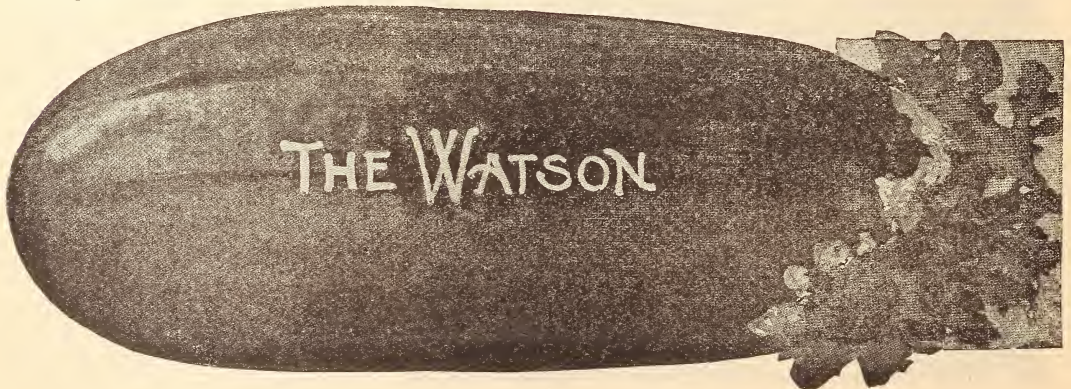
Cole's Early. (65 days) A choice melon for the home garden. The flesh is bright red, crisp, sweet and of fine flavor, of medium size, but solid, with thin rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Fordhook Early. (60 days) An extra early melon of fine flavor and large size. Color a uniform medium green. Flesh red and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

***Halbert Honey. (75 days)** The melons are 18 to 20 inches long, full and round at both ends; skin dark glossy green and flesh a beautiful crimson; excellent for nearby market as well as for home use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Harris' Earliest. (60 days) The best variety for northern latitudes, largest and sweetest of all the early melons. Oval in shape, green striped with gray, attaining a weight of twenty to thirty pounds. Firm hard rind, shipping well; flesh bright red and tender, very sweet and delicious. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Ice Cream. (85 days) Medium size, nearly round, pale green, thin rind, flesh solid, scarlet, of delicious



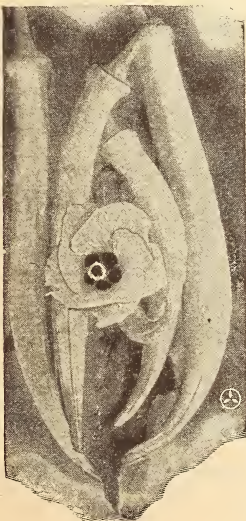


MUSHROOM SPAWN

Mushrooms are considered a great delicacy by everyone and are always in much demand at fancy prices. Many are devoting their spare time to mushroom culture and are getting big returns for their labor. Nearly everyone has some unused place that might be devoted to mushroom growing. Contrary to general belief, it is not necessary to have specially prepared equipment for this purpose, but advantage may be taken of locations already existent. They can be grown in dark rooms, caves, cellars or under greenhouse benches, where the temperature can be maintained at from 50 to 60 degrees. They may to some extent even, be grown out of doors, in the lawn or orchard. Thus, adding at very little expense, a valuable home crop.

We furnish complete cultural directions with each order. One brick is required for ten square feet.

Lambert's Pure Culture Spawn. A new departure in cultivation. This method insures the reproduction of a certain type, free from all inferior sorts, that will largely increase the yield and produce the very best mushrooms. 50 cts. per brick, 2 for 90 cts. By express (not prepaid), 5 bricks for \$1.50, 10 bricks for \$2.50.



**Fordhook
Fancy
Mustard**

FORDHOOK FANCY MUSTARD (50 days)

For early salads sow in a medium hot bed in March, and for general crop at intervals through the spring, in rows six to eight inches apart, and rather thickly in the rows. Cut it when four inches high.

Splendid flavor, can be cooked any time of the year just like spinach and by many is considered far superior. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

OKRA

CULTURE. Seed should be soaked before planting to insure quick and even germination; sow in rows 2 to 3 ft. apart and thin to 12 to 18 inches in the row. Gather pods when young. It is delicious in soups.

White Velvet. (50 days) A very popular variety producing long smooth white pods of excellent flavor, very prolific. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Perkins Mammoth Pod. (60 days) A new variety having enormous ridged light green pods. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Full crates of highest quality Onions such as this, have long marked the annual crops in our own Lake County, and in many other onion-growing counties, due to the superiority of S. & H. Co. Onion Seed.



Ohio Yellow Globe

ONION SEED

CULTURE. A strong, deep, rich and loamy soil is most suitable, or even a black sandy loam. Muck beds well drained to the depth of two feet give large yields. The ground should be heavily dressed with well rotted manure, and plowed a moderate depth, taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order harrow it thoroughly and make as fine and level as possible; sow thinly in drills one-fourth inch deep and 14 inches apart. Keep the surface of the ground open and free from weeds but do not ridge up to the growing bulbs. *One ounce will sow 100 feet of drill; four to five pounds per acre for large onions, 50 to 60 pounds for sets.*

Ohio Yellow Globe. (120 days) One of the finest yellow commercial onions grown; of good size, true globe shape, absolutely free from any neck, a solid bulb and fine keeper. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Large Red Wethersfield. (100 days) A standard variety in the East, and the earliest maturing, productive red. Makes a large sized flat onion, deep purplish red in color. The flesh is a purplish white, moderately fine grained and strongly flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Mammoth Silver King. (80 days) A large, flat but thick, sweet, silvery white Italian variety, maturing very early. On account of its extreme mildness it is one of the best for salads and eating raw. To produce the largest onions transplant when the young seedlings are 3 or 4 inches high. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Prize Taker. (100 days) A very large onion, hardy, productive and a fair keeper. Outside skin is rich yellow, flesh white, sweet and tender. They bottom well, are free from stiffnecks. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.75.

Southport Yellow Globe. (110 days) A bright yellow globe, mild flavored and highly esteemed. Plants have the typical slender neck of the rigidly selected Southport strain, which ensures early and dependable maturity, with remarkable keeping quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Southport Red Globe. (110 days) An attractive globe shaped variety; matures quite early, grows large and is very productive; skin deep red; flesh fine grained. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Southport White Globe. (120 days) Commands the highest market price; good shape, clear white skin. To retain the white color they should be cured in the shade. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

White Silverskin. (95 days) This is a small silvery white onion. Just the right size for pickling whole for which it is used almost entirely. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

ONION SETS

CULTURE. Onion sets should be planted out as early as the ground is dry enough to work, in rows one foot apart with sets 2 to 3 inches apart. On this basis, one pound will occupy about 100 linear feet; or plant 300 to 500 pounds to the acre. When raised from sets, the onions can be used in the green state in June, or they will be ripened off by July. Price subject to market changes. Write for quotations on large quantities. *One ounce to 150 feet of drill.*

Yellow. Lb. 35 cts., 5 lbs. or over by express not prepaid at 20 cts. per lb.

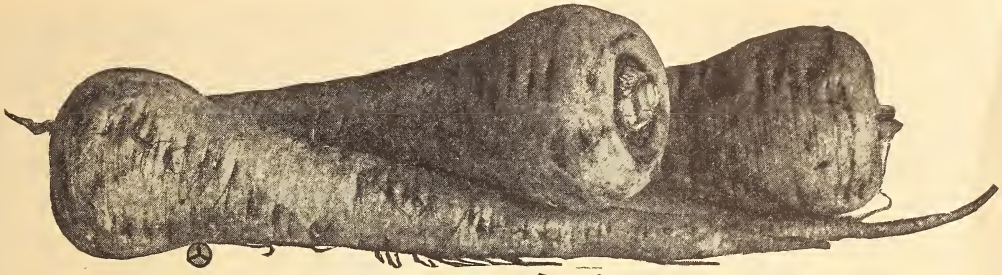
White. We regret to advise that White Onion Sets were a crop failure last year; therefore no stock to offer.

PARSLEY

Sow in drills one foot apart, in rich, mellow soil; soak the seed 12 hours before sowing, which should be done in early spring, as they are very slow to germinate. When one or two inches high thin out the plants to six inches apart in the rows. Used as a garnish for table, also in soups. Late in the fall, a few plants may be dug up and potted; set in a sunny kitchen window, they will provide fresh leaves for all winter's use.

Champion Moss Curled. (65 days) A compact growing finely cut and beautifully curled variety, the favorite garnish. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Hamburg. (100 days) (Turnip rooted.) The root is the edible portion and is extensively used for flavoring soups, etc. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



Hollow Crown Parsnips

PARSNIP

Parsnips sliced and fried are a nutritious and always acceptable side dish at many a winter dinner; as frequent in use as the dependable old Hubbard Squash.

CULTURE. One ounce will sow 200 feet of drill; five pounds for one acre. Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots they are improved by frost, and it is usual to take up in fall only a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. If cellar-stored, pack in boxes filled with slightly moist soil.

Hollow Crown or Long Smooth. (85 days) Roots oblong, ending somewhat abruptly with a tap root; best variety for general use. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.00.

PEPPERS

CULTURE. Sow in a hot bed in March and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows 18 inches apart. They may also be sown in the open ground when the danger of frost is past and the soil is warm and the weather settled. Thorough and frequent cultivation should be kept up until frost; by this means you can have a continuous crop. 1 oz. will produce about 1500 plants; 3 oz. supplies an acre.

PRICE, unless noted, pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts., ¼ lb. \$1.25.

Chinese Giant. (130 days) Largest of the peppers; chunky, very thick and meaty, four to five inches across at the base and equally as long, divided into four sections. Fine for stuffing and for salads. Pkt. 10 cts., ½ oz. 30 cts., oz. 55 cts., ¼ lb. \$1.50.

Early Neapolitan. (120 days) The earliest large pepper, the vigorous plants heavily laden with long handsome fruits. The skin and flesh are bright red; thick-meated, sweet and mild, valuable for market gardeners and pickling establishments.

Ohio Crimson. (120 days) A vigorous, upright plant, most productive pepper on the market; the large fruits are very mild, ripen earliest of the very large fruited sorts, and average heavier as the flesh is unusually thick. Matures a deep crimson color. Pkt. 10 cts., ½ oz. 30 cts., oz. 55 cts., ¼ lb. \$1.50.

Pimento. (130 days) Somewhat different in character from other peppers, and useful in a great many ways. It is thick fleshed, mild and sweet; smooth and glossily green at first, but maturing to bright red.

Red Cayenne. (125 days) A long slim pod, rather pointed and when ripe of a bright red color, extremely strong and pungent. Used for pickling and pepper-sauce.

Royal King. (125 days) We believe it the best sweet pepper produced in many years; the plants unusually productive, returning an enormous yield to the acre. Exceptionally large fruited, thick and meaty, its

PEANUTS

Peanuts are an American institution, their delectable aroma and consumption an inevitable feature at all American outdoor sports. It may be a matter of surprise to most northern gardeners that it is not only practical but profitable to raise your own, as well as help supply your local market. The prolific tops are also valuable as forage; the nuts for fattening hogs.

CULTURE. Peanuts require light rich soil well limed. Plant in the spring as soon as the ground has become warm, in rows 30 to 36 inches apart, placing the seed 6 to 10 inches apart in the row. It is not necessary to remove the hull when planting. Keep well hoed. When matured pull and hang up to dry.

Valencia. A very desirable and productive Spanish bush type. Mild, sweet flavored, bearing three or four peas in each hull. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

walls more than twice as thick as those of other sorts; very mild—not the least pungent—perfectly sweet. The type is thoroughly fixed, producing uniform fruits both in shape and color.

Ruby King. (130 days) A large and handsome variety. When ripe they are of a beautiful ruby red color, and are always remarkably mild and pleasant to the taste.

Sweet Mountain or Spanish Mammoth. (120 days)

It is very large, smooth and handsome; when mature, a rich red. Flesh thick, sweet, and mild flavored.





Extra Early Alaska

PEAS

CULTURE. Peas mature earliest in a light, rich soil; for general crop a moderately heavy soil is best. Commence sowing early varieties as soon as ground can be worked, continue for a succession every two weeks until June. Sow the early, second early and late varieties at the same time for a succession. *One pound for 100 feet of drill; 110-175 pounds for an acre.* The wrinkled varieties are more susceptible to cold, wet weather than the small round, hard sorts, hence should not be planted very early except in warm dry locations.

Brush can be used to advantage on all varieties, but the various dwarf growing sorts take care of themselves very well without. If brush is not available, chicken wire is the best substitute for use with the taller growing kinds.

PRICE. In comparing prices, please bear in mind that our prices are postage paid by us, on half, one and two pounds, and if ordered by express, purchasers may deduct ten cents per pound from lb. rate. 10 lb. rate is by express or freight, purchasers paying charges.

EXTRA EARLY PEAS

These earliest bearing varieties can often be planted early in March; and their early cropping may be taken advantage of to use your lightest strip of soil. The later types need the heavier soil which retains moisture under the hot sun.

Alaska. (45 days) An extra early hardy pea. Pods of perfect shape, well filled with smooth peas of unrivalled quality. Seed blue. Height 2½ feet. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. By express, 10 lbs. or more at 22 cts. per lb.

American Wonder. (55 days) An early wrinkled pea, growing from 9 to 12 inches high, and producing well filled pods of the finest flavor. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

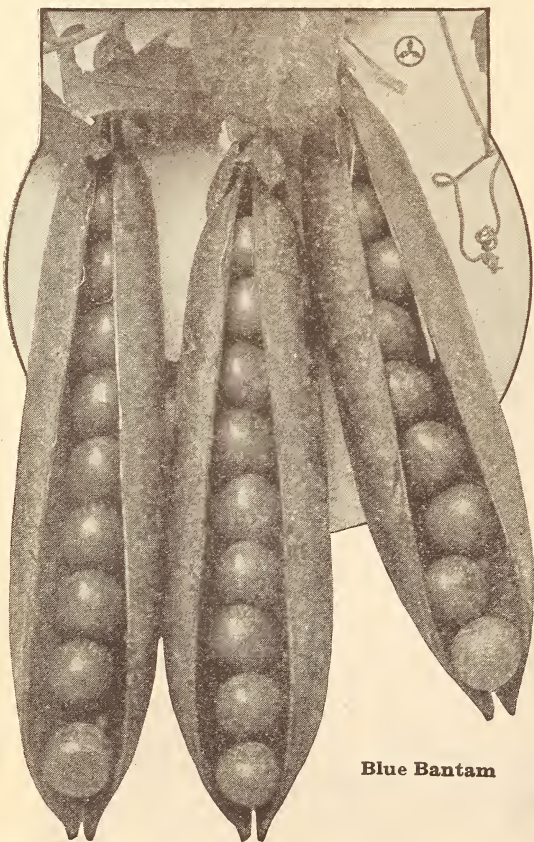
Blue Bantam. (55 days) The dwarf, vigorous vines average fifteen inches in height and carry enormous crops of large deep bluish green pods. These measure four to four and one-half inches long and are tightly packed with eight to ten extra large luscious peas. Considered one of the best flavored. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more, 28 cts. per lb.

Everbearing. (65 days) Grows about 20 inches high; pods of good length; peas very large, wrinkled and in quality unsurpassed. For continuance and profusion of bearing this variety is unexcelled. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or over by express at 22 cts. per lb.

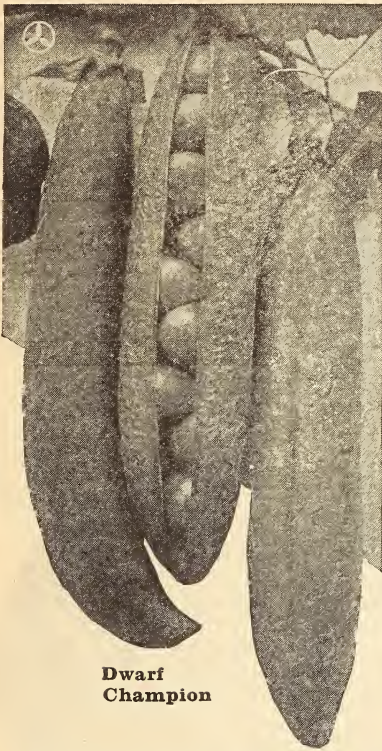
First and Best. (45 days) Pods well filled with round, smooth peas of excellent flavor. Extremely early, productive and hardy. Height 2½ feet. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. By express, 10 lbs. or more at 20 cts. per lb.

Gradus. (55 days) One of the earliest wrinkled peas, very hardy, and can be planted extremely early. The vine grows about 2½ feet high. Pods large and well filled. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Hundredfold. (50 days) Bountiful crops of broad, four-inch pods which hold usually eight large, dark green peas of wonderfully rich flavor. The vines are sturdy and heat-resisting, averaging 16 inches high. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts. per lb.



Blue Bantam



**Dwarf
Champion**

EXTRA EARLY PEAS—Continued

Laxtonian. (50 days) Dwarf and bushy—about 14 inches—very productive of 4 inch blunt pods containing 8 to 10 peas of unsurpassed flavor and quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts.

Little Marvel. (53 days) Popular with market gardeners because of its extreme earliness and productiveness. The large dark green pods are usually borne in pairs. Very dwarf, vines growing only 15 to 18 inches high. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express 10 lbs. or more at 25 cts.

Nott's Excelsior. (60 days) This excellent dwarf wrinkled extra early pea is robust and vigorous and produces in profusion handsome pods, closely packed with large peas of fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Premium Gem. (50 days) Grows about 15 inches high and is among the earliest dwarf, abundant green wrinkled sorts. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Thomas Laxton. (50 days) One of the largest podded of the dwarf peas. Matures with the earliest and is of a delicious flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 25 cts. per lb.

SECOND CROP or MEDIUM EARLY PEAS

Dwarf Telephone or Daisy. (65 days) A medium late pea of dwarf, stocky habit, healthy, vigorous growth, and productive, bearing large, handsome pods and peas of highest quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Horsford's Market Garden. (65 days) A grand wrinkled sort and a prolific bearer. Pods of medium size; peas of a delicious sweet flavor. Two feet high. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or over by express at 20 cts. per lb.

Rogers Dwarf Champion. (65 days) This new pea is one of the finest sorts we have ever tried. Vines make a healthy dark green growth and are well loaded with pods. The peas which are borne crowded in medium sized pods are of the highest quality, possessing the rich flavor of the Champion of England. The growth is very dwarf requiring no support. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

LATE or MAIN PEA CROP

These late kinds may as well be planted at same time as the earlier ones. The tall varieties do very well planted in double rows with the line of brush set in at same time, allowing three feet of space between the lines for thorough cultivation. Do not stint the seed, but scatter in the broad furrows which should be at least four inches deep.

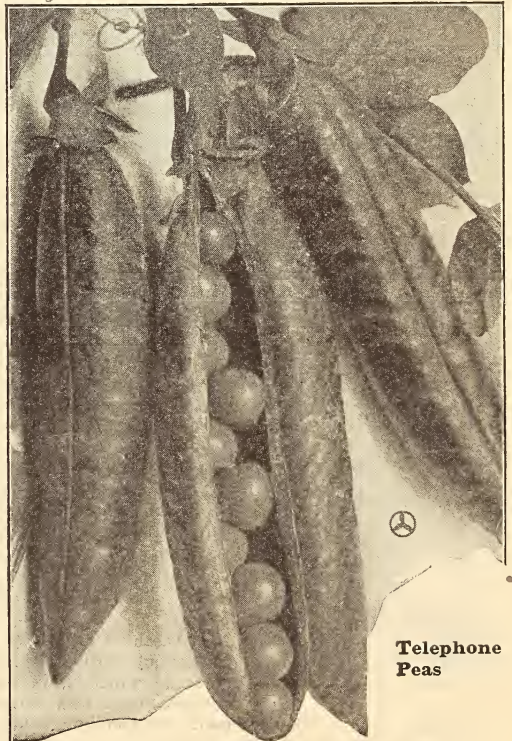
Champion of England. (75 days) One of the richest and best flavored peas grown; height 3 to 4 feet, seed wrinkled, whitish green and much shriveled. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 23 cts. per lb.

Improved Stratagem. (70 days) One of the finest dwarf wrinkled peas. Their quality is unsurpassed, vines grow to a height of 18 or 20 inches, do not require sticking and are loaded with pods that are crowded with immense dark green peas. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Telephone. (70 days) One of the finest tall wrinkled marrows yet introduced. Vine strong, producing abundantly. The pods are of large size and filled with large delicious peas. Height three to four feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

FIELD PEAS

Canada Field. (White Seeded.) Valuable for soiling purposes. Sow at the rate of two to three bushels per acre; also sow with oats for green feed; are now quite extensively used for this purpose. 10 lbs. or over by express at 10 cts. per lb. Write for prices on larger quantities.



**Telephone
Peas**

PUMPKINS

CULTURE. Plant in good soil when the ground has become warm, in hills eight to ten feet apart each way, or, as the general practice is with corn, in about every fourth hill. *Three pounds per acre alone or about one pound with corn.* Use "Slug Shot" for bugs.

Golden Oblong.

An attractively odd shape more convenient to handle, in field or kitchen.

The oblong fruit run 15 to 20 inches in length with a diameter of 8 to 10 inches, both ends blunt and blocky. The skin is thin, but of adequate toughness for safe storing, a golden yellow color as rich as the fine-grained fiber-free flesh. Cooking quality equal to any; productivity and hardness superior. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Green Striped Cushaw. (75 days) A long crooked neck, terminating in a round or oblong end enclosing a very small seed cavity; flesh surrounding seed cavity very thick. The neck is absolutely solid, rivalling the finest sweet potatoes for baking; or sliced and fried like Egg plant, when young; or as a pie sort, it has no equal. Splendid keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

King of Mammoths. Jumbo

(90 days) Largest of all the pumpkins, often reaching 24 inches in diameter, weighing 100 or more pounds. Make excellent stock feed, yet the quality is excellent for pies. When ripe, the skin is a rich

orange color, flesh thick and yellow, sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Large Cheese. (110 days) Named for its resemblance to a cheese box; very flat, slightly ribbed, cream colored; averaging 12 x 7 inches, and 9 lbs. weight. Extremely prolific and healthy, in wide use for canning purposes, keeping well. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35.

Large Yellow Field. (90 days) Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. By express, 5 lbs. or more at 75 cts.



Large Yellow Field

Sugar. (65 days) A handsome and prolific variety of small size; the skin a deep orange yellow. It is fine grained in flesh, sweet in taste and an excellent keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

MEDICINAL and POT HERBS

Herbs in general delight in rich mellow soil. For early use sow in hot-beds in March, transplanting to the open ground when weather is suitable. May also be sown in the open ground in May in rows 12 inches apart. Cover lightly and when large enough thin out to eight to ten inches apart in the row. They should be cut on a dry day just before they come into full bloom and hung where they may dry quickly.

Balm. (Melissa officinalis.)

The leaves which have a fragrant odor are used in making balm wine, balm tea for fevers and other culinary uses. Pkt. 10 cts.

Caraway. (Carum carui.)

Biennial. Cultivated mainly for the seeds which are used in cakes, confectionery and medicine. The leaves are also used in flavoring soups. Pkt. 10 cts., oz. 20 cts.

Dill. (Anethum graveolus.)

An annual cultivated for its seeds which have an aromatic odor and warm

pungent taste. They are used as a condiment, also in making dill pickles. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.



Horehound. (Marrabium vulgare.)

A perennial herb with a strong aromatic smell and a bitter taste. It is a tonic and the leaves and tops enter largely into the composition of cough syrups and lozenges. Pkt. 10 cts.

Lavender. (Lavendula vera.)

A popular aromatic herb. The flower spikes are dried for their delightful, lasting fragrance. Sow seed thickly and early in the spring as it is slow to germinate. Pkt. 10 cts.

Sage. (Salvia officinalis.)

The leaves and tender tops are used in seasoning dressing and sauces. A medicinal tea is also made from the dried leaves. Perennial. Pkt. 10 cts., oz. 30 cts. (Plants of "Holt's Mammoth Sage" are offered under Hardy Perennials.)

Summer Savory. (Satureia hortensis.)

Used principally for seasoning. Annual. Pkt. 10 cts., oz. 35 cts.

Sweet Marjoram. (Origanum marjorana.)

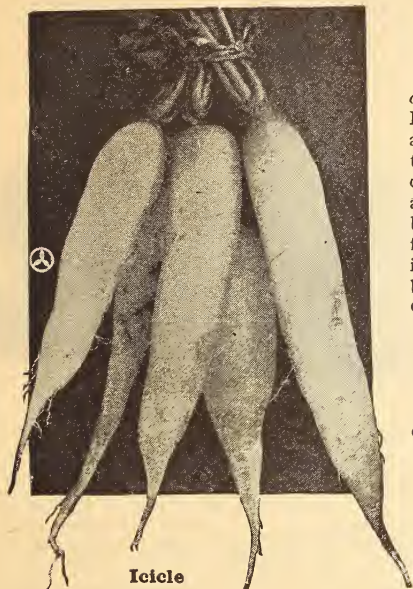
Used as a relish in soups, broths and dressings. Perennial. Pkt. 10 cts., oz. 35 cts.

RADISH

CULTURE. One ounce will sow 100 feet of drill, ten pounds required for one acre. For the first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season for a succession. A warm, sandy loam, made rich and light by some good strong manure, will be most likely to afford them brittle and free from worms. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

Cincinnati Market. (28 days) A fine extra early variety with a long, smooth root and small top. The color is a bright transparent red; the flesh tender and delicious, even when full grown. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Crimson Giant. (35 days) Suitable for forcing or early planting out of doors. Larger than the other round red radishes, and solid longer. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

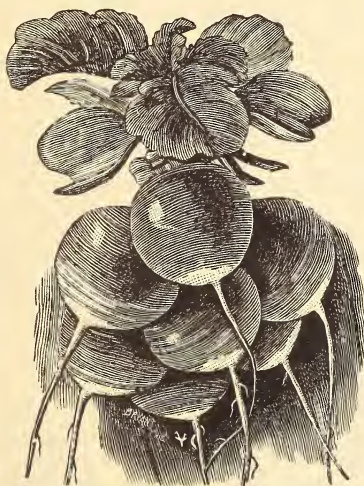


Icicle

Early Scarlet Olive. (20 days) An excellent deep red, olive shaped forcing sort, typical in its very small tops, and early maturing roots. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Round Scarlet. (25 days) (See second cover.) A small round, red turnip-shaped radish, with a small top, and of very quick growth; early; rich color, crisp and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Long Scarlet. (28 days) Grows 6 or 7 inches long, half out of the ground; is brittle and crisp; color bright scarlet, small top. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.



Round White Tip Scarlet

Icicle. (25 days) Attains its best quality at about four inches long and remains crisp and sprightly an extremely long time. It is of most excellent flavor and transparent whiteness. Equally desirable for home use and market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Round White Tip Scarlet. (21 days) A handsome early variety of medium size and excellent flavor. The best of the round varieties. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

White Strasburg. (48 days) Pure white, firm and brittle, and of fine quality. Withstands hot weather best of any sort. Slow to become pithy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

WINTER RADISHES

Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Long Black Spanish. (72 days) Firm, oblong, black, of large size.

Rose China Winter. (60 days) One of the best fall and winter varieties, bright rose color, flesh white and of superior quality.

California Mammoth White. (65 days) Pure white. The flesh is tender and crisp and keeps well through the winter.

RHUBARB or PIE PLANT SEED

Sow in spring in seed bed, in drills one foot apart. Cultivate well during the season, and in the autumn or following spring transplant into deep rich soil, from three to four feet apart. The stalks should not be cut before the third year. For immediate use, order the **Roots** (described in back part of catalog).

Linnaeus. Pkt. 5 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.



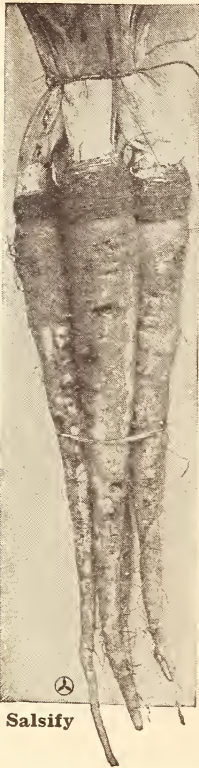
Cincinnati Market

Early Scarlet Globe. (20 days) Fine for forcing and market gardening. Large roundish oval; brilliant red; flesh white, solid, crisp and mild. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

French Breakfast. (25 days) A splendid half-long variety of medium size, crisp and tender, scarlet with white tip. This has long been a favorite kind in very general use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.



French Breakfast



Salsify

SALSIFY "VEGETABLE OYSTER"

CULTURE. Sow early in spring, in drills one foot apart and one inch deep, thinning the young plants to four inches. The roots will be ready for use in October, when a supply should be taken up and stored in moist sand in a cool room. Those remaining will suffer no injury by being left in the ground until spring. *One ounce to 100 feet. Ten to twelve pounds are required for one acre.*

Mammoth Sandwich Island. (95 days)

White, tender, and of excellent quality.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

SPINACH

CULTURE. Select very rich, well drained soil; sow in drills one foot apart and one inch deep; or broadcast at rate of thirty pounds per acre. Make the first sowing early in spring and continue at intervals of two or three weeks, until the middle of June. Sow in August and September for early spring use, protecting with a winter covering of straw. *One oz. will sow 100 feet of drill; or ten to twelve pounds to the acre.*

Round Thick Leaved. (45 days) One of the most popular with our market gardeners; leaves large, thick and fleshy; excellent for fall sowing, being very hardy. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

Bloomsdale Savoy. (45 days) In some sections this is the best known variety. The leaves are crumpled or savoyed, hardy, standing out all winter south of the Ohio river. A very desirable market sort. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

King of Denmark. (45 days) Leaves very thick, dark green, and curled or blistered, in low compact tufts, ready to use as soon as the earliest, yet remaining longer in good condition before running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

New Zealand Spinach. (55 days) (*Tetragonia Expansa*) Strong growing summer variety. The young branches and leaves can be gathered at any time. Sow thinly in drills 15 inches apart. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35.



Round Thick Leaf Spinach

SQUASH

Seed should not be sown in the spring until danger from frost is past and the ground warm and thoroughly settled. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants to the hill. A little tobacco dust thrown around the hills discourages borers, Bordeaux Arsenate of Lead remedies blight and striped beetles; but the big black squash bug had better be hand-picked. If the winter varieties are not planted until the latter part of June, they are ordinarily able to escape the ravages of the borer.

FOR SUMMER SQUASH, sow 1 oz. to 25 hills—4 feet apart each way; WINTER SQUASH, 1 oz. to 10 hills—8 to 10 feet apart each way—or 2 lbs. per acre.

SUMMER VARIETIES

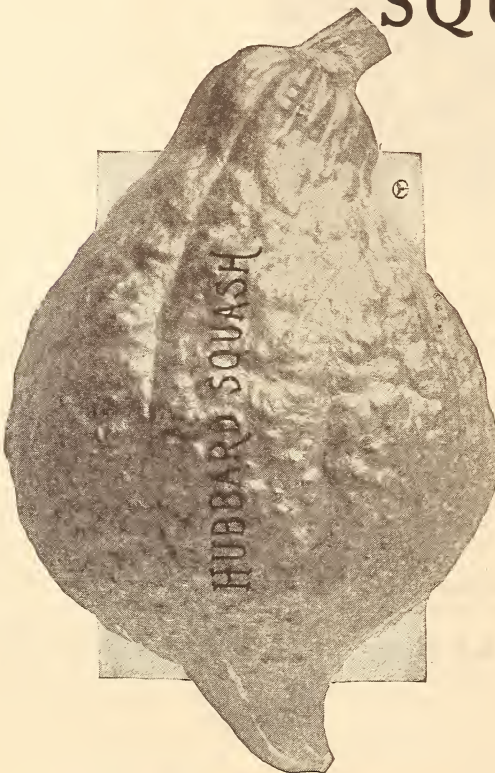
Bush Fordhook. (55 days) In this new, true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity; unsurpassed for baking, frying, or making pies. Any fruits not needed for summer use can be left to ripen on the plants and gathered for winter use.

Giant Summer Crookneck. (65 days) Bright yellow, a profitable sort for market, keeps bearing all summer. Plant farther apart than other varieties.

Mammoth Yellow Bush. (55 days) A much enlarged strain of the early yellow bush scallop, quite prolific; average size 14 x 4 inches, and weight 5 lbs.

Mammoth White Bush. (50 days) Fruits round white, deeply scalloped, lobes being in pairs; very tender and delicious.

PRICE of above Summer Squash,—Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



King of the Winter Squash—See Page 25

FALL and WINTER VARIETIES of SQUASH

Delicious. (75 days) It is of medium size, dark green in color and with very thick flesh which cooks dry, and is of superior flavor. Although a good fall variety it is in its best condition in the winter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Golden Hubbard. (110 days) The color is a deep orange, tipped green at each end. The flesh is golden yellow, of excellent flavor and cooks dry; a good keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Hubbard. (110 days) Skin deep olive green, flesh orange yellow. Sweet, rich flavored; keeps well through the winter; boils or bakes dry. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Table Queen. (80 days) 6 to 7 inches long by 4 to 5 inches thick, the shell a smooth dark green with sometimes a blotch of red at the pointed end; the productiveness and eating quality second to none. Baked twenty minutes, cut in two and served in the half-shell, it is an ideal and convenient individual side dish. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



The New Table Queen

TURNIP

Turnips do best in a highly enriched, sandy, gravelly, or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart, and thin out early to six or eight inches in rows. For a succession, sow at intervals of a fortnight until the last week in May. The early varieties are often broadcasted between corn rows or sown as a catch-crop to succeed the early potatoes. From the last of July to the end of August sowing may be made for the fall and main crops. *One ounce sows 100 feet of drills.*

Two lbs. per acre in drills 12 to 15 inches apart; one pound two feet apart; three pounds broadcast.



Purple Top
White Globe

WHITE FLESHED

Purple Top White Globe. (70 days) The most popular turnip grown either for table or stock. Of globular shape, rapid growth, and an excellent keeper. Flesh pure white, skin white with purple top. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

White Egg. (50 days) Quick growing pure white; solid, firm, flesh fine grained, cooking up sweet and tender. Egg shaped, skin pure white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Purple Top, Strap Leaved. (55 days) Similar to Early Flat Dutch, but purple on top. Of excellent quality, largely grown for market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Early White Flat Dutch. (40 days) Extra early, flat, strap leaved, mild, fine quality. Use when small and tender. Also grown for a fall crop. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

YELLOW FLESHED

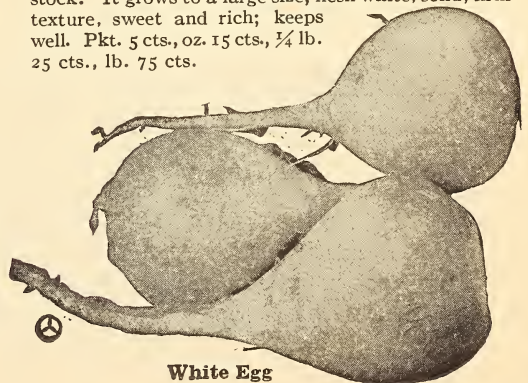
Orange Jelly or Golden Ball. (70 days) A very distinct, round yellow variety. One of the finest sorts for family use. Flesh pure yellow, fine grained, sweet and tender. Does not attain a large size but is firm, hard and of most excellent flavor. Makes an ideal fall crop to store for winter use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Yellow Globe. (75 days) This is a large sized general crop turnip. Globe shaped, pale yellow with green top. The skin is smooth, flesh firm and sweet. A splendid variety for either table or stock and is an excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

RUTA BAGA or SWEDE

Improved Purple Top Ruta Baga. (95 days) One of the best of the Swedes, hardy and productive; flesh yellow, sweet and well flavored; shape slightly oblong terminating abruptly, color purple above and yellow under the ground; rich in flavor. A popular market sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

Large White Ruta Baga. (90 days) (Sweet Russian) This variety is most excellent either for table or stock. It grows to a large size; flesh white, solid, firm texture, sweet and rich; keeps well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.



White Egg



John Baer

Dwarf Giant. (110 days) The largest of all the dwarf or tree tomatoes, sometimes called Dwarf Ponderosa, uniform in growth, producing an enormous crop. The fruits are large, smooth, solid, purple-crimson and of the finest quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Dwarf Stone (100 days) Stout, upright, compact growth. Fruit as large as the late Stone, same bright red, color, as early as other dwarf varieties, and may be planted closer. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.

Greater Baltimore. (110 days) A main crop variety; fruit large and brilliant red in color. Ripens evenly to the stem. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

John Baer. (85 days) Very large, free from core and of an attractive bright red color. Very prolific, one plant often having from fifty to seventy-five fruits which are borne in clusters and ripen evenly clear up to the stem; never bursts. Unexcelled for early home or market use. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

June Pink. (85 days) An early variety, blight resisting, long and heavy yielding, similar in habit to the famous Earliana, except its color is pink. An excellent shipper. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

Livingston's Coreless. (110 days) All of the fruits are of marketable size. Always free from green core; green all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded by bright red, heavy, meaty and delicious flesh. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Livingston's Globe. (95 days) Large globe shape, always smooth, firm fleshed with few seeds, and ripens evenly. The color is a fine glossy rose tinged with purple. One of the best forcing varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

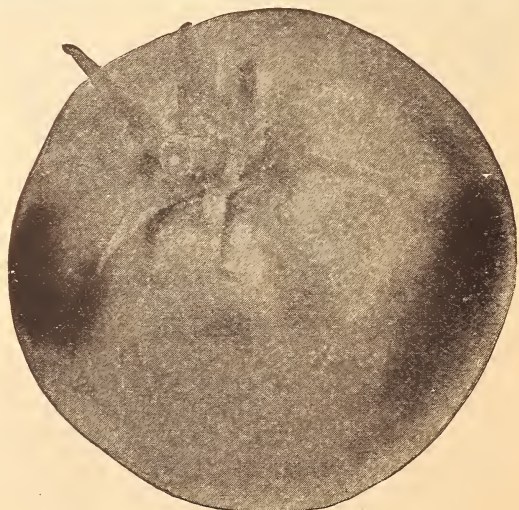
New Colossal (110 days) (See color illustration on second page of cover.) One of the largest, heaviest, and best tomatoes, averaging 2 to 3 pounds. Close celled, firm flesh with remarkably few seeds, and little waste. Flavor sweet, cool and sprightly, notably free from the commonly objectionable acidity. Enticing red, solid, 5 inch slices; satisfactorily all-tomato when cooked; and a profitable can filler when preserved,—in every usage expressing the highest quality of flavor and texture. To illustrate its meatiness and freedom from seeds, compare the average requirement of $1\frac{1}{2}$ bushels of tomatoes to produce a pound of seed, with this giant fruited variety which requires 7 to 10 bushels to produce a pound of seed. Pkt. 15 cts. $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 55 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50,

TOMATO

CULTURE. Sow in hot beds during March, or from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes, setting them four or five inches apart; give them plenty of air and endeavor to secure a steady growth. Set out of doors as soon as danger from severe frosts is over. Seed may be sown in the open ground also at this time, and will make strong hardy plants, that will be excellent for fruiting. The choicest tomatoes are obtained by training the plants to stakes and keeping them pruned. Use stakes two inches square, five or six feet long. The main stem and two branches should be saved, cutting the others off just beyond the first cluster of blossoms. This treatment allows all the fruits to develop to perfection and none are lost from rotting on the ground. *One ounce will produce 3000 plants.*

Acme. (100 days) Of spreading growth; producing abundant medium sized fruits of irregular shape, in clusters of three to five. The skin is an even, purple-red color, the flesh dark red, fine in texture, slightly acid. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Bonny Best. (88 days) Large smooth fruit of a rich scarlet red, the color demanded by many markets. Fruit thick, with a small core, excellent for any purpose. Slices exceptionally well. Nearly globe shaped, slightly flattened at stem. Borne in clusters of 5 or 6 fruits, all ripening together. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



Bonny Best



New Tomato "Wayahead"

TOMATOES—Continued



Ponderosa. (110 days) In addition to its ponderous size, it is very solid, with few seeds; a beautiful crimson throughout. Pkt. 10 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.

Red Rock. (115 days) Very prolific, borne on strong disease resisting plants, and of excellent quality, bright red, very thick fleshed and meaty. One of the heaviest yielders. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Spark's Earliana. (85 days) Remarkable for its earliness, large size, uniform shape, solid fruit, attractive red color, and productiveness. The leading high quality early market variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Stone. (110 days) A fine main crop tomato for market or canning. The beautiful red fruit is perfectly smooth and very large, ripening evenly, and is free from rot, even in wet seasons. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Wayahead. (85 days) A new variety, and one of the best. Extra early, resembling Earliana but preceding it, with handsome smooth, solid, red fruits. A heavy cropper, with a vigor which keeps up the size even on the latest set fruits. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.00.

Yellow Ponderosa. (110 days) Identical with Ponderosa in quality and size but produces golden yellow fruits, exceptionally free from acid, making it a desirable variety for home use and one of the most attractive to use in mixed color salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

SMALL FRUITED SORTS

Red Pear. (95 days) Beautiful red pear shaped fruits in large clusters. Pkt. 10 cts., oz. 35 cts.

Yellow Pear. (95 days) Fruits a clear, handsome yellow. Very sweet and free from acid. Pkt. 10 cts., oz. 35 cts.

TOBACCO

Connecticut Seed Leaf. A popular cigar variety, also largely used for pipe smoking by those who prefer a home cured natural leaf. Makes a large broad leaf and is the only variety extensively grown in northern states. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Spark's Earliana



"Velvet Sod" Lawn Grass

LAWN GRASS SEED

HOW TO MAKE AND KEEP A BEAUTIFUL LAWN

early in the spring as convenient, the earlier the better if the soil is in good condition, scattering it in both directions at right angles to each other, which will give a more even distribution. After the seed has been sown it should be raked lightly, then thoroughly rolled.

Old Lawns will be greatly benefited if, as early in the spring as the weather will permit, they are carefully raked, so as to remove the dead grass and leaves that may be on them, then sprinkle it with our Velvet Sod Mixture, which will renew the thin places and spots that have been killed by the winter or other causes, then give it a thorough firming and smoothing with a heavy roller.

Fertilizer. We would recommend Wizard Brand Sheep Manure (see Page 31) as the simplest and most effective fertilizer, broadcasted at rate of 10 lbs. per 100 square feet, or 6 lbs. for reviving old lawns. Pure Bone Meal is also good, applied at rate of 600 to 1000 pounds to the acre.

No one kind of grass will make a lawn that will keep beautifully green all through the season, but a mixture of several is essential, as some varieties are more luxuriant in the spring, others in the summer, and again others in the autumn, and a proper combination of these various sorts is required to create and maintain a perfect carpet like lawn. Our Velvet Sod Mixture is a splendid exemplification of scientific knowledge and practical treatment, giving quick, sure and satisfying results unsurpassed by any general lawn mixture on the market.

☀ STORRS & HARRISON'S LAWN MIXTURES ☀

"Velvet Sod." A mixture of fine dwarf, close growing grasses, that will produce a neat velvety lawn and permanent sod in a short time. Weight, about 25 pounds to the bushel. One pound will seed about 300 square feet; 80 to 100 pounds are required for an acre. Per lb. 65 cts., 2 lbs. \$1.20, 3 lbs. \$1.75, 5 lbs. \$2.75—postage paid. By express (not prepaid), 10 lbs. and over at 40 cts. per lb.

"Shady Lawn." A modification of our famous "Velvet Sod" mixture, designed for use in shady places. Per lb. 65 cts., 2 lbs. \$1.20, 3 lbs. \$1.75, 5 lbs. \$2.75—postage paid. By express (not prepaid), 10 lbs. and over at 40 cts. per lb.

**STORRS & HARRISON'S RE-CLEANED GRASS SEEDS**

Our grass and clover seeds will more than pass any **State requirements** as to purity, and will please the most critical buyers. We handle only the finest and cleanest grades procurable. So much depends upon grades that prices vary greatly in all grass and clover seeds.

We do not guarantee Prices on Grass and Clover seeds. The prices herein are based on values at time of going to press with this catalogue. They are subject to market fluctuations.

Prices quoted by lb. and 3 lbs. are postage paid by us; if ordered by express, deduct 10 cts. per lb. Larger quantities are by express or freight, purchaser paying charges.

Creeping Bent. (Agrostis Stolonifera.) Modern golf has popularized this thickly rooting, densely creeping grass for putting greens. Makes a velvet smooth, low, thrifty lawn surface, sown 60 pounds to the acre. lb. \$1.25. 10 lbs. and over by express, at \$1.10.

Kentucky Blue Grass. **Fancy Clean.** Also known as June Grass, a valuable variety for lawns when mixed with other grasses, and especially valuable as a pasture grass. About three bushels to the acre for pasture. (21 lbs. to the bu.) Lb. 60 cts. 10 lbs. and over by express or freight, at 45 cts.

Red Top Grass. (Unhulled) Grows well in almost any soil and is valuable either for meadows, pasture or lawns, especially so for moist land. About two bushels sow an acre, 14 pounds to the bushel. Lb. 50 cts. 10 lbs. and over by express or freight, at 35 cts.

Red Top Fancy. Re-cleaned seed, 32 lbs. per bushel. Lb. 65 cts. 10 lbs. and over by express at 50 cts.

English or Perennial Rye Grass. A nutritious, quick-growing grass for meadows and pastures. It does well on sloping banks, as its roots are fibrous and mat-like. 24 pounds to the bushel. Lb. 35 cts., 3 lbs. \$1.00. 10 lbs. and over by express or freight at 20 cts.

Orchard Grass. A valuable grass for pastures, for sowing in orchards or shady places. It grows rapidly and does not suffer from close feeding. When sown alone three bushels should be sown to the acre; 14 pounds to the bushel. Lb. 45 cts., 3 lbs. \$1.25. 10 lbs. and over by express or freight at 28 cts.

Meadow Fescue or English Blue Grass. Especially suited for permanent pasture and is also fine for hay. Grows two to three feet high but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties, and will stand freezing very effectually. About 24 pounds of seed are sown to the acre. Lb. 45 cts., 10 lbs. or over by express or freight at 30 cts.

Hard Fescue. A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu. per acre (12 lbs. per bu.) Lb. 50 cts. By express, 10 lbs. and over at 40 cts. per lb.

Red or Creeping Fescue. Very valuable for sowing on sandy soil and in shaded places, also on putting greens. Sow 100 to 125 lbs. per green, 100 feet square (14 lbs. per bu.) Lb. 60 cts. By Express, 10 lbs. and over at 45 cts. per lb.

Sheep's Fescue (Festuca ovina). Grows naturally on light, dry, sandy soils and mountain pastures; considered valuable mixed with other grasses for permanent early spring pasture. Sow 15 lbs. per acre. Bushel about 12 lbs. Lb. 50 cts. 10 lbs. or over by express at 40 cts.

Crested Dog's Tail (Cynosurus cristatus). May be sown on lawns; forms a close turf, remaining green a long time; valuable for sheep pasture; succeeds on dry, hard and gravelly soil. Height 1 to 1½ feet. Sow 25 pounds per acre. 21 pounds to the bushel. Lb. 65 cts. 10 lbs. or over by express at 50 cts.

Timothy. (Phleum pratense.) Of the easiest cultivation and with us is usually sown in connection with winter grain in the fall, to which a seeding of clover is added early in the spring. 45 pounds to the bushel; from ½ to 1 bushel to the acre. Lb. 25 cts., postpaid. Write for price per bushel.

**STORRS & HARRISON'S SELECTED CLOVER SEEDS**

Alfalfa. (Lucerne) For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots deeply into the earth. On land that is not naturally rich it needs fertilizing to help it get started. If there is no lime in the soil a top dressing of it should be given when the land is plowed. For inoculation, see "Nitragin" offer, Page 30. It should be mowed often enough during first season to keep the weeds down, being careful to cut above the crowns of the Alfalfa plants. Not adapted to low wet land. Lb. 50 cts. Write for samples and prices on larger quantities. Sow early in spring or fall at rate of 20 pounds per acre.

Alsike. (Swedish) An excellent variety, of luxuriant growth and very sweet; valuable for pasturage or ensilage especially on moist land; makes good bee forage. Sow five to six pounds per acre. Lb. 50 cts. Write for prices on larger quantities.

Scarlet or Crimson Clover. Brilliant scarlet flowered annual; very productive and greedily eaten by cattle, remains green longer than the red variety, and is excellent for bee food. Largely used for green manuring; sown in August it may be plowed under the following June. Sow fifteen pounds per acre. Lb. 30 cts. 10 lbs. and over by express at 25 cts.

Sweet Clover. (Bokhara) (Melilotus alba.) This legume is native to all parts of this country and is the most beneficial of all crops for building up worn-out land. Thrives on all soils, but like all clovers requires lime which should be supplied on land where it is lacking. Makes fine pasture for bees and good quality of hay relished by all stock. Does best when seeded alone. Sow in spring or fall. Twenty to thirty pounds are required per acre. Lb. 35 cts. 10 lbs. and over by express at 25 cts.

White Dutch Clover. Excellent for lawns in mixtures with grasses. A good pasture clover. Sow at the rate of six to eight pounds per acre. ½ lb. 40 cts., lb. 75 cts., 5 lbs. and over by express at 60 cts.

Medium Red Clover. This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It may be sown either in the spring or fall, and if no other grasses are used, at the rate of from 8 to 12 pounds to the acre, according to quality of seed used and condition of the soil. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. Lb. 50 cts. For quantity, write for price.

MISCELLANEOUS FARM SEEDS

Prices per single pound and 3 lbs., where listed, are postage paid by us; in larger quantities by express or freight, purchaser pays charges. Prices subject to market changes.

Broom Corn. (Imp. Evergreen.) This variety is extensively grown on account of the color and quality of the brush, which is long, fine, straight and always green. Grows from eight to ten feet tall. Plant in rows $3\frac{1}{2}$ feet apart and 3 inches apart in the row. Lb. 35 cts. postpaid. By express, 10 lbs. and over at 15 cts. per lb.

Tennessee Millet. No other plant that has yet been introduced for grass or forage has been able to produce anything approaching the enormous yield of Millet when grown under favorable circumstances. The seed we offer is genuine Tennessee grown, of the finest quality. There is a wonderful difference in true Southern grown Millet when compared with the cheap Western grown. True Southern Millet will produce double the amount of hay produced from Western grown seed. Sow for feed one bushel to the acre. Lb. 30 cts., postpaid. By express, 10 lbs. at 10 cts., 50 lbs. and over at 9 cts.

Japanese Millet. This grows six to eight feet high, stands remarkably well, and yields from 10 to 12 tons green fodder per acre. It may be sown from the middle of May to the first of July, broadcast at the rate of fifteen pounds per acre. Lb. 30 cts. postpaid. By express, 10 lbs. at 10 cts., 50 lbs. and over at 9 cts.

Hairy Vetch. (Vicia Vilosa) This legume is rapidly springing into favor in the North as a fall soiling crop. Grows luxuriantly and is one of the greatest nitrogen gatherers. Requires no special soil preparation, neither is it particular as to soil, and is therefore very valuable for bringing up poor land. Makes a valuable and nutritious hay. If used for this purpose it should be cut in the spring when seed pods which resemble small peas are just forming. Its feed value is equal pound for pound with prime wheat bran. In the latitude of northern Ohio, Vetch should be sown by September 15, to get well started that fall. Farther south it may be sown later. Rate of thirty to forty pounds to the acre. Lb. 40 cts., 3 lbs. \$1.25. 10 lbs. and over at 25 cts. per lb. by express.

Rape. (Dwarf Essex) Extensively grown for forage, especially for sheep; makes excellent green feed for poultry. They can be turned into it within six to eight weeks after sowing. Cattle and sheep are apt to bloat if the leaves are wet or they are turned in hungry and allowed to fill themselves. Sow in June or July, in rows two and one-half feet apart at the rate of five pounds seed per acre, or may be sown broadcast at the rate of eight pounds per acre; it may be sown in April with oats, for an early crop after the oats are cut. Lb. 40 cts., 3 lbs. \$1.00. By express, 10 lbs. and over at 15 cts., 50 lbs. and over at 12 cts.

Sudan Grass. This forage crop is of immense value to the south or any section not sufficiently supplied with rainfall. It is a great drought resister and makes an excellent quality of hay. Grows from five to nine feet tall and stools freely when given plenty of room or after cutting. Do not sow until the ground has become thoroughly warm. 16-24 pounds to the acre broadcast, or 4-6 pounds in drills, 18-24 inches apart. Lb. 35 cts., 3 lbs. \$1.00. By express, 10 lbs. or over at 15 cts. per lb.

Sugar Cane. (Early Amber) The standard variety for the North. The beautiful amber colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. Valuable as a forage plant. Makes excellent milk-producing feed either green or dry. Six pounds are required per acre in rows, or 40 to 50 pounds broadcast or drilled. Lb. 30 cts. By express, 25 lbs. and over at 10 cts.

Sunflower. (Mammoth Russian) Of considerable value as a poultry food. Many people insist it clears the air of malaria germs. In small gardens the heavy, erect, growing stalks may be utilized for supporting Kentucky Wonder or other pole beans. Lb. 30 cts. By express, 10 lbs. or over at 15 cts. per lb.



Restores and Maintains Soil Fertility

ORIGINAL SOIL INOCULATOR

A boon to farmers growing Alfalfa, Soy Beans, Clovers and other legumes.

It is safe and reliable. Contains more nitrogen gathering germs by millions than any jelly culture; costs much less. Looks like deep, rich soil.

Comes in tin cans; easy to open, and easy to mix with seed. Guaranteed for one year; expiration date stamped on every package. Sold on bushel basis (not acre sizes), which means that NITRAGIN COSTS LESS.

PRICE:— Postpaid
 $\frac{1}{4}$ -bu. size (for 15 lbs. of seed) 45 cts.
 $\frac{1}{2}$ -bu. size (for 30 lbs. of seed) 65 cts.
 1-bu. size (for 60 lbs. of seed) \$1.05
 5-bu. size (for 300 lbs. of seed) 4.85
 COST PER ACRE:—Above prices mean that NITRAGIN will cost you—

20 cts. per acre if you sow 12 lbs. of seed.
 25 cts. per acre if you sow with 15 lbs. of seed.
 33 $\frac{1}{3}$ cts. per acre if you sow with 20 lbs. of seed.
 WHEN ORDERING—always mention the crop you want it for.

EVERY GARDEN NEEDS "NITRAGIN"

The 3-in-1 Bacteria Fertilizer for

PEAS, SWEET PEAS AND BEANS

Insures a better quality, larger crops and faster growth. NITRAGIN germs feed the plant nitrogen, taking it from the air in the soil. This helps to make the plants strong and vigorous. The germs greatly multiply the nodules (lumps) on the small hairy roots. Each lump is stored up nitrogen plant food. The more lumps the more fertile the soil. You mix Nitragin with the seed and plant in the usual way. NITRAGIN is the original—(consult any library). Endorsed by Agricultural Departments, Experiment Stations and thousands of users.

PRICE OF GARDEN PACKAGE: (Inoculates from 1 oz. up to 8 lbs. of seed), 22 cts. post paid.

Watch-em-Grow

PLANT FOOD

A wonderfully quick-acting, perfectly compounded Plant Food giving us one of the best balanced fertilizers possible to secure.

Use it on your house plants, as follows: Dissolve a teaspoonful in a cup of hot water, afterwards pouring this into one gallon of cool water. Water your plants with this mixture. For a six inch pot plant, use a pint of mixture once each week until you note improvement; then once in two weeks, and occasionally thereafter.

In repotting plants, use a teaspoonful dry, thoroughly mixed throughout four quarts of potting soil. In the garden, it may be used in the same way as recommended for pot plants.

A TRIAL PACKAGE FOR 10 Cts.

Guaranteed Analysis

Ammonia, soluble in water 19%
 Available Phosphoric Acid 10%
 Potash, soluble in water 14%
 Total, in perfect balance 43%

Send us 10 cts. for a trial package of "Watch-em-Grow," with directions for using. After using contents, if you are satisfied with results, you may return us the empty package and forty cents (40 cts.), for which we will mail you one of our regular fifty cent cans of Watch-em-Grow Plant Food. This makes the trial package cost you nothing.

Trial Package, 10 cts.
 Large 8 oz. can, 50 cts.



SPRAY PUMPS

Below are just a few of the most efficient, simple spray pumps, with which to distribute the various plant remedies.

BROWN'S AUTO-SPRAY PUMP

A simple, powerful, effective spray pump for liquids, easily carried and operated. Unlike other types, its spraying action is **continuous**; thereby doubling the speed and effect with no greater effort. Filling and cleaning are extremely simple. Two nozzles are supplied, one for straight away, and one for angular spraying.

AUTO-SPRAY No. 26-A. All tin, 1 qt. postpaid, \$1.25
 AUTO-SPRAY No. 26-B. Tin pump, brass tank,
 1 quart capacity postpaid. 1.50

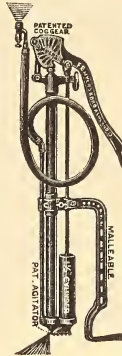
THE "FAULTLESS" SPRAYER No. 1

Above is absolutely the best small, simple mist sprayer for general use against insects, on the market. Made of tin, substantially jointed and reinforced; greatest durability and spraying force in its class. Adapted for throwing either liquids or dry powder. Price, 75 cts. each, or \$1.00 postpaid.

MYERS 8 FOOT PIPE EXTENSION

For use on the two Myers pumps listed — each. \$1.25

Cog Gear Bucket



MYERS BUCKET PUMPS

Constructed entirely of brass, with malleable iron foot rest. Will throw a solid stream 50 feet; valuable for spraying trees, washing windows or buggies, extinguishing fires, sprinkling lawns or flowers, etc. One superior feature is the extra jet for keeping the spray material mixed and agitated.

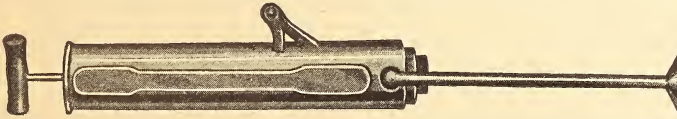
COG GEAR. (No. R-324)
 1½ inch brass cylinder and patent cog-gear handle makes easy work and extra capacity. Price: The pump with agitator, complete with detachable hose and graduating fine, sprinkling and solid stream nozzle. \$7.00

LITTLE GIANT. (No. 327½)

Special feature is the arrangement of air-chamber and cylinder side by side which makes the down stroke do all the work; thus relieving any upward pull on the bucket. Spray is continuous regardless of plunger action. Price: The pump with agitator complete with hose and combination fine, coarse-spray and solid-stream nozzle. \$4.50



THE HANDY "NIAGARA" HAND DUST GUN

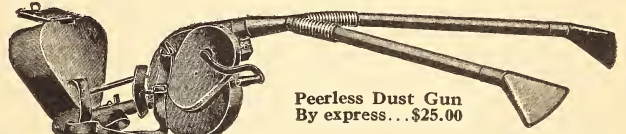


This is a most useful, practical and handy instrument, simply although well constructed, for applying all kinds of powder insecticides.

\$1.50 each by express; or \$1.75 by mail postpaid.

PEERLESS DUST GUN

For large fields and gardens requiring application of powdered insecticides and fungicides, this is the most practical and efficient type on the market. It throws two diverging sprays in one operation, quickly adjustable from a thin vapor to a dense, fog-like cloud directed at will against either sides, top or underneath the foliage. The power and feeding units are comfortably adjusted to the body in equal weight distribution, so that both hands are free, operative parts convenient, and the carrying burden negligible. The mechanism is worked by a right hand crank, the fan averaging 1800 revolutions per minute and developing a powerful ejecting air pressure. All parts are simple, durable, light and scientifically efficient. This gun is very popular in Southern cotton fields for fighting bollweevil and the army worm. Net weight 13 lbs., with a hopper capacity of 7 lbs. Operating and care-taking instructions included in each safely packed carton, shipped by express or freight at customers' expense.



Peerless Dust Gun
 By express. . . \$25.00

INSECTICIDES and FUNGICIDES

ARSENATE OF LEAD POWDER.

A chemically accurate combination of Arsenic which is the poisoning agent, and Lead which serves to hold the poison upon the foliage and also counteracts possible damage to the leaf itself. An efficient destroyer of all leaf-eating insects which attack either fruit or shade trees, shrubs, flowers or vegetables. By express only. 5 lb. cartons, \$2.00 each, 1 lb. cartons, 75 cts. each.

BORDO POWDER.

A highly efficient powdered form of Bordeaux Mixture; non-poisonous, but of great effectiveness when applied against black spot, mildew, and all fungus diseases. 1 lb. cartons, 75 cts. each; By express only.

NIAGARA NICOTINE POWDER

A highly efficient destroyer of all sucking insects, designed to combat Thrip, Aphis, Spiders et al. Put up in an easily handled, fine powder form which works to perfection in the Niagara Hand Dust Gun. Must be shipped by express only. 1 lb. package 50 cts., 5 lb. package \$1.50.

"NICO-FUME LIQUID."

A highly concentrated liquid Nicotine solution for fighting sucking insects, such as Thrip, Aphis and Spider. Used according to directions, in a fine spray and with as much force as possible, it makes a very effective and inexpensive insecticide. Being highly poisonous, it must be stored in a safe place away from children. Can be shipped in express or freight orders only, not mailable.

¼ lb. can. \$0.75
 1 lb. can. 2.35
 4 lb. can. 8.50
 The proportion for spraying is one to two teaspoonsful added to a gallon of water.

SULPHO-TOBACCO SOAP.

Useful for ridding house plants of bothersome insects. Especially efficient in removing scale from Palms and Ferns. Small cakes, enough to take care of the ordinary plant collection, by mail, postpaid, for 20 cts.

WIZARD BRAND MARK PULVERIZED Sheep Manure

Pulverized Sheep Manure is the Ideal fertilizer to use for the lawn, in the garden, the perennial border, shrubby beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with Wizard.



PRICE:

By express or freight only — not prepaid: 5 lbs., 25c.
 10 lbs., 45c; 25 lbs., \$1.00; 100 lbs., \$3.25.



Ageratum Tom Thumb



Sweet Alyssum



Anchusa Dropmore

S. & H. CO. SUPERIOR FLOWER SEED

FLOWERS are enjoyed by everyone and are so easily raised from seeds that any home can have an abundance of blossoms during the entire year. Those we offer in the following pages are the products of the best American and English growers. No better strains are to be obtained at any price. Clear and complete directions for sowing are printed on each packet.

Flowers are usually known as **Annuals**, **Biennials** and **Perennials**.

Annuals bloom and ripen seed the first year and then perish.

Biennials do not generally bloom the first year and are in perfection the second year only.

Perennials flower several years in succession, many blooming the first year from seed sown early, and are used for permanent plantings.

Hardy Perennials and **Biennials** may be sown either in early Fall or Spring and require no protection through the Winter. **Hardy Annuals** may be sown either in late Fall or Spring.

Half Hardy Annuals, **Biennials** and **Perennials** can not be sown in open ground until warm weather; they may if desired be started early inside and transplanted afterwards. The latter two need protection in Winter or may be carried through in cold frames or greenhouses.

We are often asked to name the various Flowers suitable for cutting and to answer this query we have designated all such sorts with this character. ©



S. & H. Co. FLOWER SEED COLLECTIONS



Before the opening of the shipping season, we put up great quantities of the collections named below. The varieties cannot be changed from the ones named for the above reason; but they are all proven kinds.



Choice,
Free
Flowering,
Easily
Grown
Annuals

COLLECTION "C"

Asters, Choice Mixed.
Alyssum, Sweet.
Bachelors Button, Mixed.
Cosmos, Mixed.
Larkspur, Mixed.
Marigold, Mixed.
Mignonette, Large Flowered.
Nasturtium, Tall, Finest Mixed.

Nasturtium, Dwarf, Finest Mixed.
Pansies, Mixed.
Poppy, Annuals Mixed, Double.
Petunia, Finest Striped and Blotched.
Phlox, Grandiflora, Fine Mixed.
Sweet Peas, Mixed.
Zinnia, Fine Mixed.

15 PKTS.
POSTPAID
FOR
50
CENTS



ONE
PACKET
OF
EACH

"LITTLE FOLKS" COLLECTION of FLOWER SEEDS

All children love flowers and take great pleasure in having their own plot of ground to work. We have selected this collection of easily grown annuals especially for the children. Each packet is full sized and contains a generous amount of seed.

Asters, choice mixed.
Bachelors Button, mixed.
Candytuft, mixed.
Phlox, mixed.
Sweet Peas, Mammoth, mixed.

Dwarf Nasturtium, choice mixed.
Marigold, mixed.
Mignonette, large flowered.
Poppy Double, mixed Peony flowered.
Petunia, fine mixed.

10 PKTS.
POSTPAID
FOR
25
CENTS

AGERATUM

Little fluffy, bristly balls of color in sizeable clusters, liberally supplied from early summer until autumn. Being low and compact, they are mainly utilized for edgings or narrow borders. Half hardy annual.

Mexicanum Mixed. 2 feet. Both blue and white flowers. Pkt. 10 cts.

Tom Thumb. 6-inch. Bright blue. Pkt. 10 cts.

ALYSSUM

Hardy annual. White, sweet scented edging and basket plants. For borders, sow thickly; for winter bloom, sow in August and transplant to pots.

Little Gem. Makes a perfect "carpet of snow" not over four inches in height, commencing to bloom in spring when very small, and continuing without interruption until late fall. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Sweet Alyssum. Not over six inches high on account of its trailing habit; very sweetly fragrant. Pkt. 5 cts., $\frac{1}{4}$ oz. 10 cts., oz. 30 cts.

AMARANTHUS

Tricolor. (Joseph's Coat) Beautiful foliage plant, growing three to five feet high, with ornamental leaves variegated in red, yellow and green. They should be grown in warm sunny situations and given plenty of room to develop. Pkt. 10 cts.

ANCHUSA DROPMORE

Grows bushily to 4 or 5 ft. with broad, rough foliage. Breaks out all over with showy clusters of deep gentian blue, in spring an almost solid mass of color, with intermittent flashes throughout the summer. Pkt. 10 cts.

**ANEMONE CORONARIA** ◉

A delightful poppy-like type belonging to the early and late fall. Its bloom is solitary, but numerous, large, on slender stems, ideal for vase bouquets. Perennial, blooming the first year if sown early and shaded until plants appear. Mixed colors. Pkt. 10 cts.

ARCTOTIS ◉ (African Daisy)

Grandis. 2 to 3 feet high. A useful and charming cut flower from June till after hard frosts; lasting a week or two in water, undeveloped buds opening up perfectly if kept in the sun. The daisy flowers are glistening white on the uptilting face, variegated by the partially visible under surface of pale lilac-blue. Pkt. 10 cts.

ANTIRRHINUM ◉ (Snapdragon)

Snapdragons are among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blooming season giving them great value for garden color masses, as well as for cutting. They have dark glossy leaves; and pea-shaped flowers with uniquely marked throats, set densely in long, upright racemes. They bloom in July from seed sown outdoors in early May; but for earlier bloom, seed should be started indoors during March. Succeed best in dry loamy soil.

TALL SNAPDRAGONS (MAJUS GRANDIFLORUM)

About 2 feet.

Delicata. Dainty rose with white throat, Pkt. 10 cts.
Fire King. Orange scarlet, with white tube, Pkt. 10 cts.
Garnet. Deepest of the red shades. Pkt. 10 cts.
Golden King. Lustrous golden yellow. Pkt. 10 cts.
Harmony. Rosy orange-terra cotta. Pkt. 10 cts.
Othello. Dull maroon with garnet sheen. Pkt. 10 cts.
Queen Victoria. Pure white; very firm. Pkt. 10 cts.
Rose. A pretty rose pink shade. Pkt. 10 cts.
Rose Carmine. Very bright and showy. Pkt. 10 cts.
Scarlet. Brilliant solid red. Pkt. 10 cts.
Majus Grandiflorum Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

HALF-DWARF SNAPDRAGONS—18 in. (MAJUS GRANDIFLORUM NANUM MEDIUM)

Amber Queen. Amber suffused chamois.
Bonfire. Orange buff, shaded with red.
Climax. Glowing orange, the lip yellow.
Cottage Maid. White throated tender pink.
Crimson Queen. An intense color and regal size.
Daphne. Pearl pink suffusion of rose and white.
Defiance. A bold expanse of fiery red.
Fawn. Terra cotta pink suffused yellow.
Firebrand. A sparkling scarlet torch.
Golden Queen. Clear yellow gold.
Grenadier. Vivid orange white throat and yellow lip.
Mont Blanc. Majestic heads of frost white.
Nelrose. Deep rose pink, with compact tips.
Purity. Immaculate, waxy white.

Price of above—Pkt. 10 cts. each.

Dwarf Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Giant
Snapdragons



ASTERS

Asters are among the most popular and easily grown of all our annuals.

By making a sowing of each of the various sorts, a continuance of flowers may be had from early Summer until frost. For early flowers, sow the seed in house or green-house during March or April and transplant to the open ground in May. For later flowers which are the finest, sow thinly in the open ground early in May, transplanting as soon as plants are large enough. Half hardy annuals.

Early. First bloom in July.

QUEEN OF THE MARKET

Earliest of all the Asters, flowers characteristically perfect in form. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting.

Snowdrift (Pure White.) **Crimson.** **Light Blue.** **Pink.** **Scarlet.** **Dark Blue.**

Each, Pkt. 10 cts. Any three packets of above for 25 cts. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

"Lady Roosevelt" One of the finest of recent introduction; perfect in shape and Comet type; color a magnificent rose-pink; long strong stems and for cutting has no superior. Our seed comes from selected stock and is of first quality. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

EXTRA EARLY EXPRESS (Comet)

These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from $3\frac{1}{2}$ to 4 inches across, very free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches. **Dark blue.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Lavender.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Rose.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **White.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

"Lavender Gem" A true lavender, borne on long stems, very early, and an ideal cutting variety. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Mid-season Asters. Commencing to bloom in August.

GIANT COMET. A type well known and appreciated for its striking resemblance to the Japanese Chrysanthemums; flowers large, twisted, curled and crested. $1\frac{1}{2}$ feet. **Giant Comet Crimson.** **Giant Comet Light Blue.** **Giant Comet Pure White.** **Giant Comet Dark Blue.** **Giant Comet Light Pink.** **Giant Comet Sulphur Yellow.** **Each;** Pkt. 10 cts. **Giant Comet Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



The New California Giant Asters



Extra Early Express Asters

CALIFORNIA GIANTS.

A new derived type with giant 5 to 6 inch flowers expressing the popular Crego or Ostrich Feather style, coupled with the more robust habit and greater length of stem characterizing the Beauty class. This welding of types benefits its value for cutting, enabling their extreme size and perfection to be used in vase and floral work where the ordinary stems would not give sufficient support. Separate colors: **Light Blue,** **Deep Rose,** **Light Purple,** **Dark Purple,** and **Peachblossom.** **Each:** Pkt. 15 cts. **Mixed,** Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

MIKADO. This shaggy group is derived from the Comet type with distinct arrangement of narrow petals which are very long and gracefully reflexed, outer ones showing to full extent; while those in center bend and curl across each other so as to give the entire flower a fluffy appearance. Of gigantic size, often spreading to six inches. **Mikado Crimson.** **Mikado Lavender.** **Mikado White.** **Mikado Pink** (or "Rochester"). The exquisite Enchantress shade. **Each:** Pkt. 10 cts., 3 pkts. 25 cts. **Mikado Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Mid season Asters. Concluded.

KING TYPE. This type is quite distinct owing to the very double petalage, which is characteristically quilled, at times almost needle-like. They are strong and sturdy, averaging 18 inches in height; with an abundance of large, perfect flowers for three months.

Blue King. A rich color, very noticeable in contrast with lighter shades.

Crimson King. A rich, deep crimson.

Lavendar King. White King.

Rose King. An enormous quilled Aster, reaching a diameter of four and five inches under cultivation. Brilliant rose color. **All Kings,** Pkt. 10 cts. each.

Finest Mixed Kings. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

"Sensation." This is a new variety, genuinely red. In shadow, its color tone is deep garnet, or ox-blood red; but sunshine brings out the life and brilliancy of fire. Its flowers average about $3\frac{1}{2}$ inches across, borne very freely throughout August and September on 12 inch stems. The plants are quite branchy, about 18 inches high. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.



The King Type

"Crego" White



CREGO. This section produces the largest flowers of the Comet type; very full and fluffy, around five inches in diameter.

When cut, this group outlasts all others of the type. **Crego Crimson. Crego White. Crego Shell Pink. Crego Lavender. Crego Purple.** Each; Pkt. 10 cts., any 3 pkts. for 25 cts. **Crego Mixed.** (All

colors) Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts. A testimonial from Girard, Pa. * * "These were the most beautiful Asters I ever saw; my neighbors greatly admired them; and people came from miles around to see them. You may depend on me buying all my seed from your Company, hereafter."

Late Asters. In prime from September on.

"Crimson Giant." This new late variety is very brilliant in beds or borders, revealing all the good qualities of the Branching type, although itself of upright growth 15 to 18 inches high. Its flowers are densely double, very large (seldom under five inches), aglow with the richness and brightness of blood-crimson. Pkt. 10 cts., 3 pkts. for 25 cts.

"Heart of France." This new late Aster opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center, larger than any other dark sort. The plants are of branching type and very robust habit, 24 inches high. The stems are long and strong and have very few laterals. The plants begin to bloom quite early, open fully with the midseason varieties, but reach their supreme glory in September. Pkt. 10 cts., 3 pkts. for 25 cts.

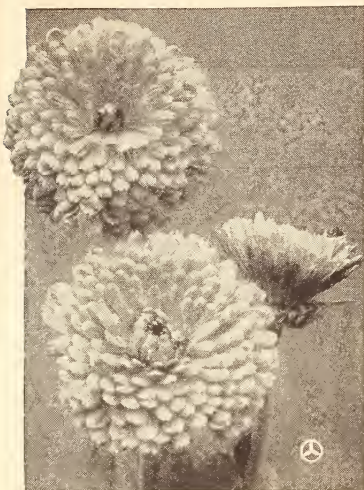
LATE BRANCHING. A useful class for bedding, the strong, branching plants 2 to $2\frac{1}{2}$ feet high. The flowers are very large and double (5 inches wide), with long, strong stems, making splendid cut-flowers.

Branching Light Pink. Branching Lavender. Branching Dark Red. Branching Purple. Branching Scarlet. Branching White. Branching Cardinal.

Above—Pkt. 10 c. (Any 3 pkts. for 25 c.), $\frac{1}{8}$ oz. 30 c. **Late Branching Mixed.** Pkts. 10 cts., $\frac{1}{8}$ oz. 25 cts.



Late Branching Asters



Ball's Orange Calendula



Bachelors Button



Calliopsis Golden Wave



Long Spurred Columbine

AQUILEGIA

The general appearance of "Columbines" with their deep cut, round-lobed foliage and nodding flower stems, expressing so many lovely shades of color, is graceful, airy and distinctive, typical of spring time. They are used liberally in low borders to offset any appearance of formality; and provide an unending succession of cut flowers, well into summer. Hardy perennial.

Chrysantha. Heavily spurred yellow flowers ranging from clear canary to deep yellow. Pkt. 10 cts.

Cerulea. Sepals blue, petals white, a dainty effect. Pkt. 10 cts.

Long Spurred Hybrids. A choice mixture of long spurred varieties in various colors, shades of blue are predominant. Pkt. 15 cts.

Mixed Double. Bulky double flowers; best colors. Pkt. 5 cts.

BACHELORS BUTTON

Pretty 2 foot border plants, and reliable cut-flowers. Hardy annual.

Single Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Double Blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Double Mauve. Pkt. 10 cts.

Double Rose. Pkt. 10 cts.

Double White. Pkt. 10 cts.

Double Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

BALLOON VINE ("Love-in-a-Puff")

A rapid growing annual climber; bears small white flowers, followed by inflated seed-pods resembling balloons. Pkt. 10 cts.

BALSAM (Giant Double Camellia Flowered)

Tender annuals, thriving in hot weather, if planted in good soil and well watered. Should be set about 18 inches apart. If wanted early, sow indoors and transplant. This has a tendency to dwarf the plants, making them more satisfactory.

The large, double, gaudily colored flowers are set like Hollyhocks along the 2 ft. stems, with slender leaves protruding.

Alba Perfecta. Pure white.

Scarlet. Intensely brilliant.

Rose King. Rich rose-pink.

Above—each, pkt. 10 cts.

Salmon Rose. True pink.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

CALENDULA

Hardy annuals; 1 ft. A wonderful profusion of flowers, ranging from ivory to orange. Valuable for bed and borders. Bloom until late fall.

Ball's Florists' Strain. A new but well proven strain specially adapted to forcing; the flowers unusually large and double, of uniformly, rich, dark orange color; with extra long, firm cutting stems. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Orange King. Bright orange red, with dark eye. Very double, often 3 inches across. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Choicest Mixed. All colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

CALLIOPSIS or COREOPSIS

Sow where they are to remain, and thin to one foot apart.

Golden Wave. Bright golden flowers, two inches across, each distinctly marked with dark brown center. Hardy annual. Pkt. 5 cts.

Finest Mixed. (Red, orange, etc.) Hardy annual. Pkt. 5 cts.

Lanceolata Grandiflora. Beautiful hardy perennial; 15 to 18 inches; producing its golden yellow flowers in great profusion. Pkt. 10 cts.



Red Balsam

CAMPANULA © (Bell Flower)

Well known perennials with bell-shaped flowers of varying size and type, which add wonderfully to the charm of summer gardens. Seed sown in the open in early April will develop sturdy little plants prepared to bloom in great profusion throughout the summer of next year. Transplant permanently in October and give winter protection.

Carpatica. (Carpathian Harebell) Fine for edging; six inches high. Thimble size bells borne very freely and continuously. Mixed blue and white. Pkt. 10 cts.

Medium. (Canterbury Bells) Long stemmed and large flowered, of deep pitcher shape. Colors range from blue and rose to white, in mixture.

—**Single Medium Mixed.** Pkt. 10 cts.

—**Double Medium Mixed.** Pkt. 10 cts.

Calycanthema. (Cup and Saucer) Practically the same as the type, except this form is provided with an extra large calyx which gives a distinct impression of a cup and saucer.

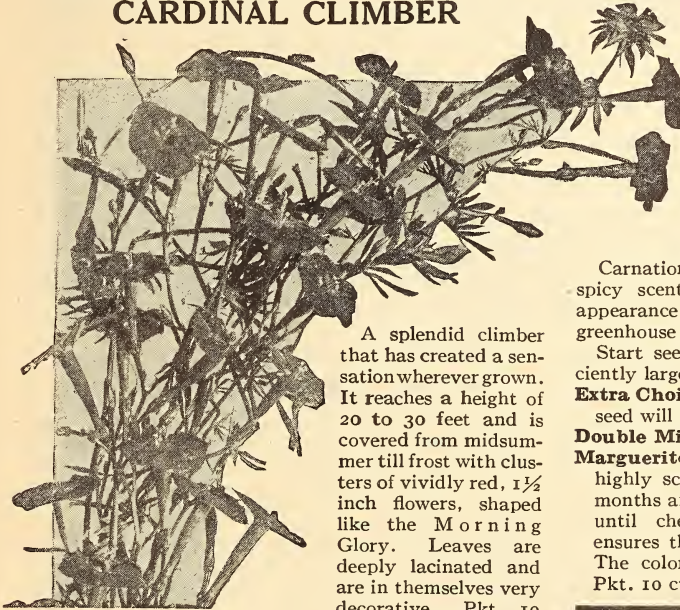
—**Cup and Saucer Blue.** Deep, solid shade.

—**Cup and Saucer Rose.** Bright.

—**Cup and Saucer White.** Waxy white.

—**Cup and Saucer Mixed.** All shades.

Each above, Pkt. 10 cts.

CARDINAL CLIMBER

A splendid climber that has created a sensation wherever grown. It reaches a height of 20 to 30 feet and is covered from midsummer till frost with clusters of vividly red, $1\frac{1}{2}$ inch flowers, shaped like the Morning Glory. Leaves are deeply lacinated and are in themselves very decorative. Pkt. 10 cts., 3 pkts. 25 cts.

CANDYTUFT © (Iberis)

Wonderfully effective for white massing, but long a favorite cut flower as well. Most blooms are sweetly fragrant. Hardy annual, about one foot.

Giant Hyacinth Flowered. The results of persistent painstaking selection from Empress; unquestionably the largest and best formed of the white varieties. Pkt. 10 cts. $\frac{1}{4}$ oz. 25 cts.

Empress or Snow Queen. A complete mass of large snow white flowers. Pkt. 10 cts., oz. 30 cts.

Crimson. A fine large flower. Pkt. 10 cts.

Lavender. True lavender, very fine. Pkt. 10 cts.

Rocket. Long white spikes. Pkt. 10 cts., oz. 30 cts.

Fine Mixed. Pkt. 5 cts., oz. 25 cts.

Perennial. (Iberis Sempervirens) Hardy evergreen; pure white. Comes into bloom early in the Spring and is a favorite rock plant. Pkt 15 cts.



"Cup and Saucer" Canterbury Bells

CANARY BIRD FLOWER

A rapid growing summer climber, with finely cut foliage and yellow flowers. Tender annual. Pkt. 10 cts.

CARNATION ©

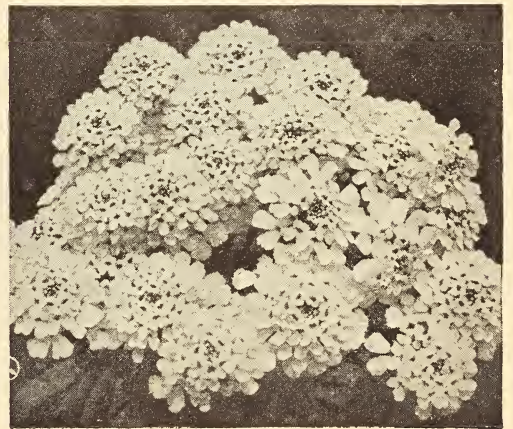
Carnations have ever been highly regarded for their spicy scent, bright colors and generally charming appearance. Useful in summer garden and winter greenhouse as well.

Start seed under glass and transplant when sufficiently large. Half-hardy perennial. $1\frac{1}{2}$ feet.

Extra Choice Double Mixed. A large portion of this seed will produce double flowers. Pkt. 25 cts.

Double Mixed. All shades and colors. Pkt. 15 cts.

Marguerite. With ordinary care this double, fluted, highly scented type will be in full bloom in four months after sowing the seed, flowering in profusion until checked by frost. Protection ordinarily ensures their permanency, and early spring bloom. The colors range through many shades. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



Candytuft



Chinese Wool Flower

CELOSIA (Cockscomb)

Free and continuous blooming annuals of great value for injecting brilliancy of color into beds or borders. Content with light soil not too rich. Cut blooms may be dried for winter decoration. Conservatory pot plants. If started inside, transplant them in May, or sow in the open at that time.

CRISTATA NANA (Dwarf Cockscomb)

Glasgow Prize. Immense, compact combs of richest crimson often a foot in extent, crowning plants 8 to 10 inches high. Pkt. 10 cts.

President Thiers. Of fine dwarf habit; with bronzy foliage, and handsome velvety crimson combs of large size. Pkt. 10 cts.

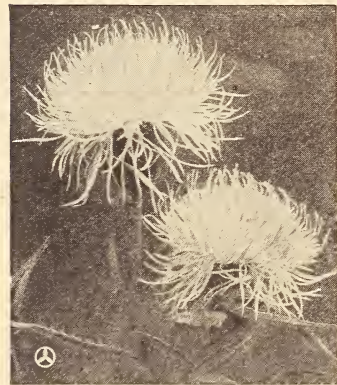
Dwarf Cockscomb Mixed. Various shades. Pkt. 10 cts.

PLUMOSA (Feathered Cockscomb)

This "Ostrich Feather" type grows from 2 to 5 feet high, very showy with their large, dense, and continuing upright plumes. Very effective in garden sections; as fresh cut flowers, and dried, or potted.

Ostrich Feather Tall Mixed. Pkt. 10 cts.

Castle Gould. A distinct type, particularly well adapted to use as pot plants, being literally clothed from base to summit with immense feathery heads of bloom. 2 to 3 feet high. The colors embrace blood red, carmine yellow, golden orange, scarlet, wine red. **Mixed.** Pkt. 10 cts.



"Sweet Sultan" (Centaurea)



Single Annual Mums



"Dusty Miller" (Centaurea)

Chinese Wool Flower. This recent novelty is the most curious of all Celosias. Globular flowers, like balls of bright red wool, bloom in July and continue until cut down by frost; do not fade, but increase in size and brilliancy. Height 2 to 3 feet. Pkt. 10 cts.

CENTAUREA

Gymnocarpa. A useful foliage plant known as "Dusty Miller." Grows to 1½ feet; deeply indented fernlike foliage so dusted with silver as to be almost white. Half-hardy perennial. Pkt. 10 cts. 500 seeds, 25 cts.

Imperialis. (Giant Sweet Sultan.) Bushes are covered with large, fluffily ball-shaped, sweet-scented flowers. Will keep a week or over in water, if cut when just about to open. Hardy annual, 2 feet.

Lavender. A deep shade. Pkt. 10 cts.

Red. Rich amaranth red. Pkt. 10 cts.

All Colors Mixed. Pkt. 10 cts.

CHRYSANTHEMUM

Annual Double White Snowball. Covered with clusters of double pure white flowers of a beautiful fringed appearance, all summer. Pkt. 10 cts.

Annual Double and Single Mixed. Beautiful double and single types together in a wide range of colors, blooming gorgeously all summer. The single kinds are prettily called "painted daisies." Pkt. 10 cts.

CINERARIA

Hybrida Grandiflora. (Large flowered.) Choice house or conservatory plants for early spring decoration. Grow from 12 to 18 inches high, are completely covered with flowers, 2 and 3 inches across, of white, blue, violet, and crimson shades. Seed may be sown from May to September for succession. Greenhouse perennial. **Mixed.** Pkt. 25 cts.

Maritima. (This is the edging about the Kochia illustrated on page 43). Another "Dusty Miller," denser than the Centaurea type; one of the showiest silver or white-leaved foliage plants for bedding, ribbon beds and margins. In rich soil they will reach 2 feet in height. Pkt. 10 cts., ¼ oz. 25 cts.

CLARKIA ELEGANS

This pretty, easily grown annual is a popular garden and cut-flower plant, showy in borders, hanging baskets or vases; not particular as to location, 2 to 2½ feet. The bloom is double, abundant, in small leafy racemes, and opens well in water when cut.

Alba, fl. pl. (Double white.) Pkt. 10 cts.

Apple Blossom, fl. pl. (Double Pink.) Pkt. 10 cts.

Salmon Queen, fl. pl. (Double Salmon.) Pkt. 10 cts.

Elegans Scarlet Queen. (Orange Scarlet.) Pkt. 10 cts.

Double Mixed. Pkt. 10 cts.

COSMOS ©

These delightful, fall blooming plants are seldom lacking in our gardens. Their growth is much branched and bushy up to five or even six feet, the fine-cut, lacy foliage being decidedly ornamental from the very first. Special soil preparation is not necessary and the early flowering kinds may be sown where they are to stay; but the later types should be started inside, preferably potted to procure a confined root-ball, and transplanted to not less than 18 inches interval only after danger of frosts is over. It is well to pinch back the tops at about two feet, to induce more branches. The flowers are conspicuously large and well distributed, brightly colored, and very welcome for both garden show and bouquets at a time when bloom is scarce.

MAMMOTH EARLY FLOWERING

Flowers fully equal in size to the Giant Fancy class, blooming abundantly in August. Develops quicker, although not so tall. These are furnished in separate colors—**Crimson**, **Pink** or **White**, at 10 cts. per pkt., $\frac{1}{4}$ oz. 25 cts. **Mixed**, Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

NEW DOUBLE CRESTED COSMOS

This beautiful type is something entirely different from other Cosmos. The flowers are double-crested having double centers with a row of petals around the base. Flowers are borne on strong stiff stems, fine for use as a cut flower.

Crimson King. Richly deep crimson shade

Pink Beauty. Very delicate pink.

White Queen. Pure white, outer petals fringed.

Exceedingly pretty.

Crested Mixed. The color shades not separated.

Price: Each, Pkt. 10 cts. 3 pkts. for 25 cts.

**GIANT FANCY COSMOS**

Called "Giant" because their flowers were so much larger and more perfect than the old line of Cosmos, which they have since entirely replaced. On account of their late bloom, it is best to sow their seeds inside to get an early start; then by transplanting after the late spring frosts, Northern gardens may be rewarded for a considerable period before the first frosts of autumn. These are offered in distinct separate colors—**Pink**, **Crimson**, or **White**, as well as **Mixed**, at 10 cts. per pkt., $\frac{1}{4}$ oz. 25 cts.

COBEA SCANDENS

A fine rapid growing climber, with handsome foliage and large bell-shaped flowers; green at first but rapidly changing to purple. Seeds should be started in hot-bed or rather dry soil (as they are apt to rot in open ground); setting them edgewise and just barely covering. Tender perennial. 20 feet. Pkt. 10 cts.

COLEUS—Choicest New Hybrids

A beautiful class of popular decorative foliage plants with such diversity of pattern and rich coloring, their growing is a matter of absorbing interest and pleasure. For bedding or pot culture. **Mixed.** Pkt. 20 cts.

CYCLAMEN

Bulbous-rooted plants, with beautiful foliage and richly colored, fragrant flowers. Tender perennials. **Persicum Giganteum.** Six inches high; large pealike solitary flowers in abundance. **Mixed.** Pkt. 25 cts.

CYPRESS VINE

Ipomea Quamoclit. A tender annual, 15 foot climber, with delicate dark green feathery foliage and abundance of bright, star-shaped rose, scarlet or white blossoms. **Mixed.** Pkt. 5 cts.



Crested Cosmos

DAHLIA ©

Half hardy perennial; two to four feet. Popular late summer and autumn flowering plants. The double type will bloom first season if sown by April 1st; but sowing the Singles may be deferred as late as June.

Double Mixed. Finest double flowers, including the new, large flowered varieties. Pkt. 20 cts.

Single Giant Perfection. The flowers are large; many are marbled and striped. Mixed colors. Pkt. 10 cts.

ENGLISH DAISY

(*Bellis Perennis*) A favorite dwarf perennial, the six-inch plant providing a vast amount of short stemmed bloom through the spring and summer. Extensively used as edging plants, and usually carry over if winter mulched. Sow seed early in hot-bed or house and transplant to a rich, cool, partially shaded situation.

Monstrosa Red. Giant flowered red. Pkt. 10 cts.

Monstrosa White. Very large flowered. Pkt. 10 cts.

Maxima Double Mixed. Various shades. Pkt. 10 cts.

SHASTA DAISY

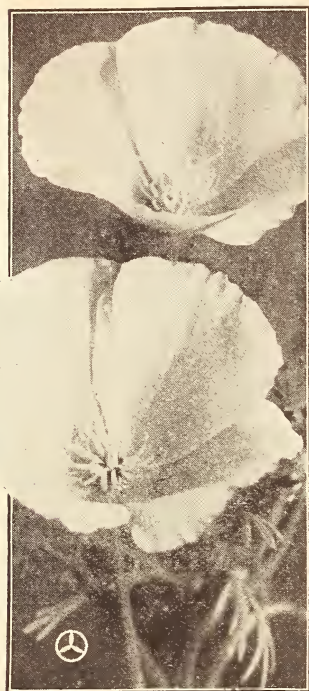
The pure white flowers with yellow centers are three to four inches in diameter, with waxy petals mostly broad and flat. They bloom the entire season and furnish an unailing supply of cut flowers, besides being a conspicuous and popular white border plant. Hardy perennial; 1½ to 2 feet. Pkt. 10 cts.

DATURA (Angels Trumpet)

Showy, large branching plants, growing two to three feet high, bearing creamy white, trumpet-shaped flowers six inches in length,



English Daisies



California Poppy

with a wide bell. They make a fine sub-tropical effect in the garden if given light rich soil and a sheltered sunny location. Pkt. 10 cts.

DIDISCUS COERULEUS (Blue Lace Flower)

Seed sown outdoors after danger from frost, should ensure bloom continuously from July to October. The much-branched plants grow to about two feet, with subdivided foliage. The terminal flower umbels average close to

three inches across, a lacy association of long thin tubes and flaring faces in the numerous florets. The entire flower is such an appealing shade of "heavenly" blue, and its construction so dainty, we cut it for solid vase fulls, and as a mixer and we pot it for winter house-bloom. Pkt. 10 cts.

ESCHSCHOLTZIA or CALIFORNIA POPPY

California's state flower. Dwarf plants about 1 foot high, with spreading, silvery, fine cut foliage; furnishing a liberal quantity of poppy-like flowers from spring until late fall. In addition to the original yellow, the class is now enriched by various color shades. Border plants or masses. Hardy annuals.

Alba. Clear satiny white. Pkt. 5 cts. **Crimson.** Very fine. Pkt. 5 cts.

Golden West. Large overlapping petals; shining yellow, with orange blotch. Pkt. 5 cts.

Mandarin. Inside orange, outside scarlet. Pkt. 5 cts.

Mikado. Lustrous orange crimson. Pkt. 5 cts.

Rosy Morn. Delicate frilled flower, rosy pink, white inside. Pkt. 5 cts.

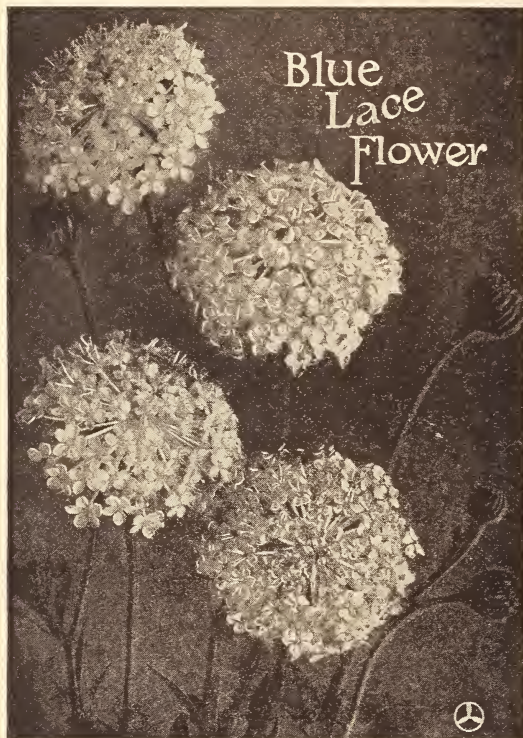
Mixture of above varieties. Pkt. 5 cts.

Bush Eschscholtzia. A fine bushy plant two feet high, with large cup-shaped yellow flowers, on long stems. Keep well in water. Pkt. 10 cts.

EUPHORBIA

Heterophylla. (Mexican Fire-plant) An annual resembling the Poinsettia in habit and color. Smooth glossy-green leaves which in mid-summer turn to a beautiful orange-scarlet. 2 to 3 feet. Pkt. 10 cts.

Variegata. (Snow-on-the-mountain) An old garden favorite; foliage and flowers veined and margined white. 2 to 3 feet. Pkt. 10 cts.





Gaillardia

FEVERFEW ●

Double White. A bushy plant, bearing a profusion of double white daisy-like flowers of great popularity for summer bouquets. Hardy annual. Pkt. 10 cts.

FOUR O'CLOCK (Marvel of Peru)

Blooms the first season from seed; the flowers, which are produced in clusters, open in the afternoon and wither the next morning. Generally planted in solid rows, to outline the garden plot or walks; its innumerable flowers and gorgeous diversity of colors furnishing a great deal of cheer at little expense. 2 ft. Our mixture contains a fine variety of colors. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

FORGET-ME-NOT (Myosotis)

Hardy perennial, ½ foot. Very dainty edging plants.

Palustris. Blue, with white and yellow eyes. Pkt. 10 cts.

Victoria. Fine heads of large, clear, azure blue; plants bushy and compact. Pkt. 10 cts.



Godetia



Geum



Gypsophila

FOXGLOVE (Digitalis)

The mammoth three to five feet spikes of densely set colored flowers make them very desirable for use as backgrounds for lower growing plants. Hardy biennials. **Finest Mixed Gloxinoides.** Pkt. 10 cts.

GAILLARDIA ● (Blanket Flowers)

Grandiflora. Hardy perennial, 2 ft., blooming first season. Flowers large and flat; yellow and orange, with center and rings of varying extent in shades of red and maroon. **Mixed.** Pkt. 10 cts. **Picta Mixed.** Annual. 1½ ft. Double and single flowers of many color shades. Pkt. 10 cts.

GEUM ●

Mrs. Bradshaw. For use in bouquets and for red in hardy borders. They closely resemble dark crimson Carnations with broad, fluted petals, and a conspicuous tuft of golden stamens at center. Hardy perennial; 1½ ft. Pkt. 15 cts.

GOURDS

A tribe of tender annual climbers (10 to 20 ft.) with curiously shaped hard shell fruits, which may be used in many practical ways.

Large Mixed. **Chinese Sponge**
Small Mixed. **or Dish Rag.**
Apple Shaped. **Dipper. Egg.**
Pear Shaped. **ALL GOURDS.**
Calabash (Pipe). Pkt. 10 cts. each.

GODETIA

Their beautiful satiny, open flowers, covering a wide range of colors, produce a delightful effect in masses or borders.

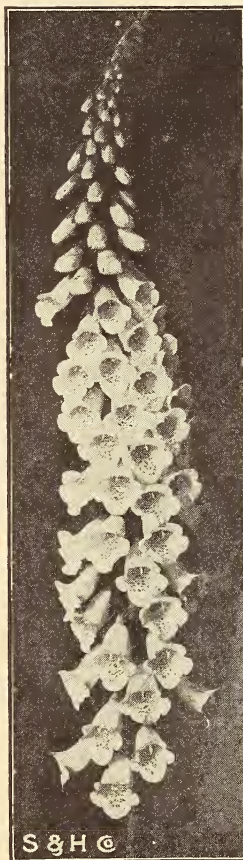
They bear good flowers even in shaded places where so few flowers can be grown, and are better in the cooler sections, and in not too rich soil. Hardy annuals. 1 ft. **Finest Mixed.** All colors. Pkt. 10 cts.

GYPSOPHILA ● (Baby's Breath)

Delicate stems and foliage in rounded clumps; profusely sprinkled with tiny star-blooms. These misty panicles are exquisite "mixers" with other flowers, either in bouquets or in the garden.

Elegans. Annual. To provide continuance of bloom, should be sown several times. Pkt. 5 cts., oz. 25 cts.

Paniculata. Hardy perennial; 2 feet. Flowers white, with a general impression of being lavender, when in bud. Pkt. 10 cts.



Foxglove

HELICHRYSUM © (STRAWFLOWER or "EVERLASTING")

Hardy annual, 1½ ft. Flowers are round, flat but thick, very full of short, stiff, incurved petals surrounding a depressed center. Their chief value is for winter use in baskets and vases, dried. Cut with long stems when about a third opened, suspend bunch (heads down) in a cool, dry place until thoroughly dried. We offer the **MONSTROSUM fl. pl.** strain, which is the largest and most double, with the widest range of colors.

Fireball. **Rose Queen.** **Crimson.**
Goldenball. **Scarlet.** **Silverball.**
Salmon Queen. **Violet Queen.**

All above varieties, Pkt. 10 cts. each.

Monstrosum fl. pl. Mixed. All kinds together.

Pkt. 10 cts., ¼ oz. 25 cts.

Strawflower Set 1 Pkt. each of the 8 varieties for 60 cts.

HELIOTROPE

Valued for the fragrance of their flowers, and duration of bloom. Tender perennial, 1 ft. Easily grown, blooming first summer if sown early.

Fine Mixed. Pkt. 10 cts.

Lemoine's Giant Hybrid. Of robust growth, and large flower heads. Choice Mixed colors. Pkt. 10 cts.

HIBISCUS (Marsh Mallow)

Hardy Perennial. Spreading growth up to five ft.

Crimson Eye. Six inch white bells with crimson center. Hardy, blooming first year from seed sown in open ground if sown early. Pkt. 10 cts.

Moscheutos. (Rose Mallow) Large pink flowers with dark maroon eye. Pkt. 10 cts.

HOLLYHOCK

Hardy perennial. 3 to 5 feet. Sow seed in June or July in open ground, transplant to three feet apart.

Double White. **Double Maroon.** **Double Red.**
Double Pink. **Double Yellow.** **Double Mixed.**

Mammoth Fringed. (Allegheny) The flowers are from four to six inches across, single and semi-double, finely fringed and curled. Will bloom the first season if sown early. **Choice Mixed.** Pkt. 10 cts.

Single Mixed. Tall growth; rich pillars of color. All **Hollyhocks**—Pkt. 10 cts. each.



S. & H. Co. Double Hollyhocks



Helichrysum

VARIEGATED JAPANESE HOP

The leaves are marked with silvery white, yellow, and light and dark green, remaining until late in autumn; climbing 20 feet. Pkt. 10 cts.

HYACINTH BEAN (Dolichos)

A rapid growing annual climber, making about 10 feet. They bloom freely in large, upright racemes of pea-like flowers, either white or purple; followed by ornamental purple seed pods. Sow seed in April or May.

Mixed. Pkt. 10 cts., ½ oz. 20 cts.

ICE PLANT

(*Mesembryanthemum*)

For baskets, rock work, vases. Appears covered with ice crystals. Tender trailer; six inches. Pkt. 5 cts.

IPOMEA

Tender annual climbers of rapid growth.

Heavenly Blue. Flowers four to five inches across, in large clusters, a beautiful sky-blue against richly green, large foliage. Pkt. 10 cts.

Setosa. (Brazilian Morning Glory) Extremely rapid growth producing dense shade; delightful 3 to 4 inch rose colored flowers. Pkt. 10 cts.

Ipomea Grandiflora. (Moonflower) Grows 25 to 30 feet. At night the plants are covered with solitary four to five inch, round pure white, fragrant flowers. Pkt. 10 cts., ½ oz. 30 cts.

JOB'S TEARS

Broad, glistening grass. The odd, tear-like seeds are often strung and used as beads. Hardy annual. Pkt. 5 cts., oz. 20 cts.

KOCHIA (Summer Cypress or Burning Bush)

An annual plant of ideal character for temporary summer hedges. A feathery dense egg-shaped bush ranging from 2 to 4 feet according to soil. Foliage is so fine and close-set, the bush resembles a formally clipped evergreen, although soft enough to ripple. Pale, tender green throughout summer, the color turns towards fall to vivid red. Sow thinly in spring for an unbroken line, but for individual expression transplant to 18 or 24 inches apart. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

LARKSPUR © (Delphinium)**ANNUAL**

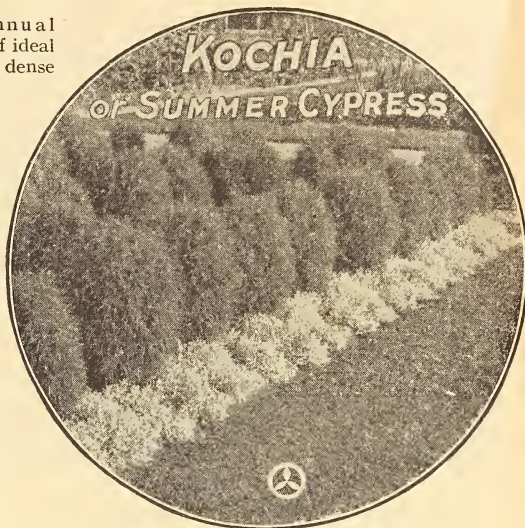
Giant Hyacinth Flowered. The plants grow three feet high with long spikes of giant flowers. Earliest flowering. Try these broadcasted with Shirley Poppies and Calliopsis. **Mixed Colors.** Pkt. 10 cts.

Emperor. Produces an abundance of long slender spikes in the most delicate colors. **Mixed.** Pkt. 10 cts.

Double Dwarf Rocket. 1 ft. Finest mixed. Pkt. 10 cts.

Double Tall Stock-flowered "Exquisite." A charming new variety with long stems and spikes; dainty pink. Pkt. 10 cts.

Newport Scarlet. This scarlet variety is one of the choicest; ideal for cutting. Pkt. 10 cts.



This Edging is *Cineraria Maritima*—(P. 38)

PERENNIAL

Useful and prolific, unsurpassed for furnishing the various shades of blue. All summer's bloom. Easily grown from seed.

Belladonna A magnificent sort unrivalled for continuance of bloom, with large spikes of the most delicate turquoise blue. Fine for cutting. Pkt. 20 cts.

Formosum. Dark blue with white eye; 3 feet. Pkt. 15 cts.

Choice Hybrids. Mixed shades of blue. Pkt. 10 cts.

LAVATERA © (Annual Mallow)

Very showy, free flowering annuals in bloom all summer and into Autumn, useful in $2\frac{1}{2}$ ft., continuous garden rows, and for cutting, the single hollyhock-like flowers ranging from 2 to 4 inches wide, usually in small clusters.

Splendens Rosea. Bright rose pink to rosy red. Pkt. 10 cts.

Splendens Alba. Usually flushed, often pure white. Pkt. 10c.

LOBELIA

A most excellent and useful genus of plants, easy of culture and well adapted for bedding, hedging, hanging baskets, pots or rockeries. Seed should be covered lightly.

Crystal Palace Compacta. Fine for bedding, compact, erect growth, deep blue. Annual. Pkt. 10 cts.

Erinus Speciosa. Of trailing habit, bright blue flowers; fine for baskets. Annuals. Pkt. 10 cts.

Mixed. Compact varieties. Annuals. Pkt. 10 cts.

LUPINE ©

Annual Mixed. Easily grown annuals, about 2 feet. Produces an abundance of long, graceful spikes of pea-like flowers which are very showy and pretty in shades of blue, rose and white. Fine for beds or borders as well as for cutting. Does well in partial shade. Pkt. 10 cts.

LYCHNIS CHALCEDONICA

Bright scarlet flowers of maltese cross form, usually in medium size flat umbels, handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. Hardy perennials. 2 to 3 feet. Pkt. 5 cts.



Lupine



Pot Marigold

MARIGOLD (Tagetes)

The African varieties run to solid shades; the dwarfier French varieties to fancy striping. All types are richly contrastive when assembled with the blue of Larkspurs or the vivid tones of Zinnias. Hardy annual.

Dwarf Double African Lemon. Pkt. 5 cts.

Dwarf Double African Orange. Pkt. 5 cts.

Dwarf Double African Mixed. Mixed orange and yellow shades. 1½ to 2 feet. Pkt. 5 cts., ¼ oz. 25 cts.

Tall Double African Eldorado. Densely double flowers of extra size; rich golden yellow. Pkt. 5 cts.

Tall Double African Lemon. Pkt. 5 cts.

Tall Double African Orange. Pkt. 5 cts.

Tall Double African Mixed. 3 feet. Varied color shades and showy. Pkt. 5 cts., ¼ oz. 20 cts.

Dwarf French Double and Single Mixed. 1 foot. Finely cut foliage; flowers in fancy color combination and marking. Pkt. 5 cts., ¼ oz. 20 cts.

Signata Pumila. (Pot Marigold.) Showy, dwarf, compact. Fine for potting, borders and edging beds. Rarely 12 inches high, with delicate fern-like foliage, and a summer's wealth of golden-yellow flowers. Pkt. 10 cts.



Mignonette Machet

MIGNONETTE

A delightfully fragrant, hardy annual, blooming the entire season in the flower border; also fine for cutting, and for pot culture during the winter and spring.

Defiance. This magnificent variety, when grown under proper conditions, will produce spikes 12 to 15 inches long. Pkt. 5 cts., ¼ oz. 25 cts.

Goliath. Immense spikes, on strong stiff stems; very fragrant, fine for cutting; bright red. Pkt. 5 cts., ¼ oz. 30 cts.

Machet. The plants are dwarf and vigorous, of pyramidal growth; with long spikes of reddish green flowers. Pkt. 5 cts., ¼ oz. 25 cts.

Large Flowering. Sweet Mignonette. Pkt. 5 cts., oz. 20 cts.

MOMORDICA (Balsam Apple)

Balsamina. Annual climber (10 feet); beautiful foliage yellow blossoms; Fruit when ripe bursts open quickly, scattering the seed, and revealing its showy brilliant carmine interior. Pkt. 10 cts.

Double African MARIGOLD
MORNING GLORIES

(*Convolvulus*.) Annual vines, their morning glory of bloom unmatched for daintiness and refreshment, by any flower that heralds the dawn of day.

Convolvulus Major. The old fashioned Morning Glory, of rapid climbing growth and profuse bloom. Pkt. 5 cts., oz. 20 cts.

Japanese Giant. A class of climbers making a growth of 20 to 30 feet quite early in the season. Their large flowers are striped, spotted and margined in all shades from white to deepest red, blue and purple. Many are fluted and fringed. Sow the seeds early in a warm sunny place. Choice mixed. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts.

Large Flowering Rochester. Vines strong, growing 12 to 20 feet high, with magnificent foliage. Flowers 4 to 5 inches across, deep violet blue in the throat, graduating out to an azure blue, bordered with a white band around the edge. Pkt. 10 cts., oz. 30 cts.

Snow Fairy. Usual growth of 12 to 18 feet. The deep and numerous convolutions of its flowers create a pronounced double appearance, while the deeply feathered margins and glistening whiteness achieve an indescribable laciness and charm. The bloom is profuse, and continuous from the earliest season until cut down by frost. Pkt. 10 cts.

NASTURTIUMS®



There is a distinct, peppery and altogether pleasing scent to Nasturtium flowers; the foliage is so pretty in its roundness and fresh, clean green; the coloring is so vividly bright and cheery, there is small wonder that the various types of this family are so extensively planted. They do not require anything unusual in the way of fertilization or attention, grow rapidly and bloom within a few weeks.



Dwarf Nasturtiums

TALL or CLIMBING VARIETIES

The vines grow quickly to 6 to 10 feet, making very showy mantles to conceal rough spots in the yard, or unsightly railings. They are beautiful as trellis vines, and take a prominent part in the furnishing of porch boxes and urns. **PRICE. Pkt. 5 cts., oz. 15 cts.**

Chameleon. Blossoms of changing colors on the same plant.

Jupiter. Great rich yellow flowers resembling Orchids.

King Theodore. Rich, deep crimson; dark foliage.

Pearl. Tinted white. **Rose.** Bright rose-pink.

Schultzii. Scarlet flowers, dark leaves.

Vesuvius. Salmon rose, dark foliage.

Tall Mixed.

This is one of the most complete mixtures of Climbing Nasturtiums on the market; it includes, besides the various colors in this class, the popular strains of Mad. Gunther Hybrids, Lobbs and Chameleon. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.50.

Lobb's Climbing Nasturtiums.

This is a choice selection of superior strains among the tall or climbing Nasturtiums, expressing the best in foliage and growth; with flowers a little more profuse, and running strong to rich red shades. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

DWARF NASTURTIUMS PRICE: Pkt. 5 cts., oz. 15 cts.

Very useful for bedding, massing or ribboning, brilliant and attractive. Flowers are brighter if soil is not over rich. Give each plant a foot of room; hardy annual; one foot.

Chameleon. Blotched and various changing shades on one plant.

Empress of India. Brilliant crimson; dark tinted foliage.

Golden King. Bright yellow. **King Theodore.** Dark crimson.

King of Tom Thumbs. Intense scarlet; amidst glossy leaves.

Pearl. White. **Rose.** Rose-pink blossoms.

Dwarf Variegated Leaved. The foliage is a healthy dark green, peculiarly spotted with white. Flowers in a mixture of colors.

Dwarf Mixed.

This splendid mixture contains all the named varieties and every color. No finer mixture can be made. They will produce enormous flowers on long stems, in a wonderful variety of colors. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts., lb. \$1.50.

NICOTIANA (Sweet Scented Tobacco Plants)

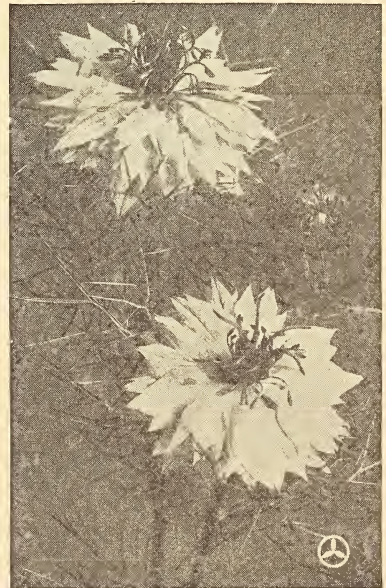
As summer garden plants, their long, broad leaves are quite as attractive as the fragrant star-shaped bloom.

Affinis. Pure white, sweet-scented flowers. Pkt. 10 cts.

Hybrida Mixed. Has large star-shaped flowers in many colors. If plants are taken up in fall, cut back, potted, they will bloom in the house during the winter. 2 to 3 feet. Mixed colors. Pkt. 10 cts.

NIGELLA © ("Love-in-a-Mist" or "Devil-in-the-Bush")

Damascena. Compact plants a foot high, with fine cut foliage within which is set a profusion of pretty, curious shaped flowers and seed pods; make good short-stemmed cut flowers. **Mixed** blue and white. Pkt. 10 cts.



"Love-in-a-Mist"

S. & H. CO. PANSIES

Pansy seed sown in August will provide strong plants for early spring bloom. The latter part of April is best for spring sowing, under normal conditions, producing flowers by the last of June and continuously until fall. A well enriched, finely worked soil is best. If drilled in, seed should be covered not over four times its own depth. If thinly covered (paper will do), to preserve moisture, germination should occur within 8 to 12 days. When the plants are sufficiently developed transfer to desired location allowing about 9 inches for interval. Many people start them in hot beds or in boxes in the house, about two weeks before the probable earliest planting time.

SUPERB GIANT PANSIES

The Superb Giant strain of Pansy seed represents the culmination of many year's rigorous selection, with the object in view of getting a type of flower at once the largest and most impressive, together with the most striking faces and richest colorings.

Adonis. Light blue, with white center. Pkt. 10 cts.

Beaconsfield. Deep purple violet, shading to lavender and white. Pkt. 10 cts.

Black. Jet black. Pkt. 10 cts.

Mad. Perrett. Edge of petal is frilled. The colors are dark wine, pink and red, beautifully veined and all with a white margin. Extra large flowers. Pkt. 15 cts.

Masterpiece. Distinct in form of flowers, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance. Choice mixed colors. Pkt. 20 cts.

PENTSTEMON



Peacock (or Pheasant's Eye.) The upper petals are peacock shade, the lateral and lower petals deep claret, with white margin. Pkt. 10 cts.

President McKinley. Deep golden yellow, each petal bearing a large blotch of dark violet. Pkt. 15 cts.

Purple. Giant, long stemmed flowers. Pkt. 10 cts.

Ruby. Superb red. Pkt. 15 cts.

Striped. Beautifully striped and blotched. Pkt 10 cts.

White. Extra large, pure white flower. Pkt. 10 cts.

Yellow. Large, pure yellow. Pkt. 10 cts.

SUPERB GIANT MIXED PANSIES

Probably the most important and most extensively used of all Pansy mixtures. It is a painstaking distribution of the numerous named varieties of its class, together with Odier, Cassiers, Bugnot and Trimardeau selections. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. \$1.00.

TRIMARDEAU MIXED PANSIES

A particularly robust, hardy strain with richly colored flowers in the giant class, which rarely fails to give perfect satisfaction. Many growers claim better results and greater popularity for this type than obtainable from any other. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

EXCELSIOR MIXED PANSIES

One of the older types of selected large flowered Pansies. It lacks many of the unique markings characteristic of newer forms, but still retains its own particular qualifications which make it especially adapted for bedding purposes. Pkt. 5 cts., six pkts. for 25 cts., $\frac{1}{8}$ oz. 40 cts.

If too late to sow seed, buy plants offered in Plant Section

New Large Flowering. The numerous Gloxinia-shaped flowers are borne in long spikes from May until frost. Will bloom the first season if sown early in a hot-bed and planted out as soon as frosts are over. The colors are white, pink, rose and crimson, many being spotted and margined with a contrasting color. Hardy perennial. **Choice Mixed.** Pkt. 10 cts.



Rosy Morn

PETUNIAS

"BALCONY" PETUNIAS

A valuable section remarkable for their great freedom, with flowers 3 inches across. Particularly adapted to use in vases, hanging baskets or window boxes.

Balcony Blue. Rich, velvety indigo blue.

Balcony Crimson. Of startling clearness.

Balcony Rose. Brilliant, attractive rose-pink.

Balcony White. Conspicuous. Pure, waxy white.

Balcony Mixture. Not comparable to ordinary mixtures; the extreme size, clear colors and distinctive form emphasizing their superiority; each packet furnishing a multi-colored little garden in itself.

PRICE. All "Balcony" Petunias 15 cts. per pkt.

SINGLE BEDDING PETUNIAS

Howard's Star. Clear purple with distinct white star filling throat, extending to edge of petals. Pkt. 10 cts.

Rosy Morn. Compact, bushy growth, fifteen inches in diameter, covered throughout entire season with open-throated flowers $1\frac{1}{2}$ inches in diameter. Distinct and glowing, although a soft tone of rose-pink, with silvery white throat. Pkt. 10 cts.

Triumph. Of uniform growth and general superiority as a mass bedder; beautifully ruffled, and conspicuous in its clear, bright pink color. Pkt. 25 cts.

Single Pure White. A thrifty variety where a pure white is desired for beds and borders. Grow 10 to 15 inches high, very free blooming. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Finest Striped and Blotched. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Single Fine Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

SINGLE LARGE FLOWERING PETUNIAS

Fringed. (Pimbriata.) A strain of beautifully fringed flowers. Colors rich and brilliant. Pkt. 20 cts.

Giant Ruffled. The flowers of this strain are ruffled and fringed, colors rich and gorgeous, with deep throats of various shades. Fine mixed. Pkt. 25 cts.

Giant of California. Choicest mixed seed saved from show flowers. Very large. Pkt. 25 cts.

DOUBLE GIANT FLOWERING PETUNIAS

We consider this one of the finest mixtures of Double Petunias; composed of the best and largest flowered strains grown. While a fair per cent of Double Petunia seed will produce double flowers, some will not. The single ones, however, will be richly colored and finely marked. **Choice Mixed.** Pkt. 35 cts.



PHLOX
Drummondii
Grandiflora
Mixed



PHLOX®

So many wonderful improvements have developed among the hardy perennial Phlox, people are forgetting the annual types. This is a mistake; for nowhere among perennial beds can that same density of bloom and vividness of color be found as is shown by the annual Phloxes.

DRUMMONDI GRANDIFLORA

For a splendid mass of color and constant display, this type is not excelled by any other annual. Blooms early, continuing until severe freezing. The seed may be planted in the open ground May 1st or in hot-bed or house earlier, and afterwards transplanted to where wanted into rich ground, eight to ten inches apart each way. Hardy annuals; one foot.

Alba. Pure white; very large.

Coccinea. Rich brilliant scarlet.

Isabellina. Pale primrose yellow.

Rosea. Rose colored; large white eye.

Splendens. Crimson with white eye.

Above Varieties—Each, Pkt. 10 cts.

Grandiflora Choice Mixed

A choice mixture of all colors in the type. Pkt. 10 cts., ¼ oz. 40 cts., oz. \$1.25.

DRUMMONDI NANA (DWARF)

Grows about six inches high, splendid for pot culture or for ribbon lines and for massing. In choicest **Mixture**. Pkt. 10 cts.

STARRED AND FRINGED

The most interesting of the Phlox family, bearing pretty star-shaped and fringed flowers, rich in colors. **Choice Mixed**. Pkt. 10 cts.

PERENNIAL PEA (Lathyrus Latifolius)

Known and sold as Everlasting Sweet Pea. Quite hardy and not particular as to soil. Splendid for covering rocks, stumps and walls.

White, Pink, Red or Mixed. Pkt. 10 cts. each.

PLATYCODON (Balloon Flower)

The unopened buds resemble miniature balloons opening up as deep throated, 1½ to 2 inch bells. Hardy perennial, 2 to 3 feet; prolific and long season of bloom. Seed sown in early spring will bloom in August.

Mixed Colors. (Blue, White.) Pkt. 10 cts.

PINKS® (Dianthus)

Few other plants produce more flowers or cover a longer blooming period. Height averages 1 foot, making them available for edgings. They are actually biennials, and will survive the winter if it is not too severe.

DOUBLE ANNUAL PINKS

Chinensis fl. pl. (Double China Pink.) The colors are rich, and you hardly find two alike. Pkt. 10 cts.

Hedderwigii Flore Pleno. (Double Japan Pink.) Flowers large and double, many of them finely fringed; varying widely in color, from deepest crimson to delicaterose, choice mixed. Pkt. 10 cts.

Hedderwigii Flore Pleno Fireball. (Double Scarlet Japan Pink.) Flowers brilliant blood red, a striking contrast against the white of Snow Queen. Pkt. 10 cts.

Snow Queen. (Double White Japan.) One of the prettiest of white cut flowers, and very useful as a white border. Pkt. 10 cts.

Double Choice Mixed. Mixture of all the above double annual varieties. Pkt. 10 cts., ¼ oz. 30 cts.

SINGLE ANNUAL PINKS

Choice Mixed. All the best single annual varieties with flowers averaging 2 inches in diameter, very bright with extremes of color and fancy patterns. Pkt. 5 cts., ¼ oz. 30 cts.



POPPY

Poppies are among the most interesting of the garden flowers with vivid colors and fern-like foliage. Annuals should be sown as early in spring as possible, in the location where they are to remain, as they do not transplant successfully. Seed should be just barely covered, although firmly pressed down. Thin out to 3 or 4 inches between plants; and take time to remove old flower stems.

ANNUAL KINDS

Pkts. 5 cts. each.

American Flag.

Flowers extra large, double, snow-white, each petal bordered with scarlet.



Shirley Poppies

PERENNIAL POPPIES. Price: Pkts. 10 cts. each.

These *Large Flowered* kinds average six inches across, and are imposing in spring, with their fiery bloom, on nodding stems three to four feet high. They do not bloom the first year from seed.

Bracteatum. Crimson, black spots in center.

Oriente. (Oriental Poppy.) Orange scarlet.

Large Flowered Mixed.

Small Flowered

Iceland. (Papaver Nudicaule.) Single, cup-shaped flowers two to three inches in diameter with ruffled petals; yellow, orange and white. Sown early in spring will bloom in June and continue until cold weather if not allowed to bear seed. **Mixed colors.**



Double Carnation Flowered

Carnation Flowered. Brilliant, many petaled, finely fringed flowers of mixed colors.

Peony Flowered. Globular flowers of good size, resembling fully double Peonies. Mixed.

Tulip Poppy. The 3 inch flower resembles a Scarlet Gesneriana Tulip in color, with deep black spots at the base of each petal. 2 feet.

Mixed Double Annual Poppies.

Shirley Poppies. This type is perhaps the most beautiful of all; one sowing keeping the bed alight all summer. Although they are mostly single, many come semi-double, or with fluted margins. The colors range from white, thru various shades of pink, to scarlet and deepest crimson. **Mixed.** Pkt. 5 cts., 1/4 oz. 25 cts.



Oriental Poppy

PORTULACA "MOSS ROSE"

Trailing plants which love the sun, and nestle close to the warm, sandy loam of their choice. The numerous round, flat flowers set close, and brilliantly illumine the emerald of the foliage with vivid shades of red, yellow, pink and white. Half-hardy annual. **Double Mixed.** Pkt. 10 cts., 1/8 oz. 50 cts.

Single Mixed. Pkt. 5 cts., 1/4 oz. 20 cts.

RICINUS (CASTOR OIL PLANT)

Tender annual. Singly, it makes a perfect pyramid, thickly set with its enormous beautifully lobed leaves; or, a large group of them gives a fine tropical effect. Sow in hot-bed and transplant when three leaves have formed, or sow in ground where they are to grow.

Sanguineus. Tall, with reddish stalks. Large ornamental reddish-pink leaves.

Zanzibarensis, Mixed. Robust strong grower, foliage green and red. Pkt. 10 cts., oz. 25 cts.



Double Portulaca



Primrose Obconica



Single Pyrethrums



Salpiglossis

PRIMROSE (Primula)

Obconica Grandiflora Hybrida. For pot culture, also for the open border during summer. If sown early in spring, the seedlings will commence to bloom in May or June and continue throughout the year. **Mixed colors.** Pkt. 20 cts.

Chinese Fringed. One of the finest plants for winter and spring blooming in the house or conservatory; they do well in a cool room, in a north window where most other plants fail. Greenhouse perennials. **Mixed Colors.** Pkt. 25 cts.

PYRETHRUM ROSEUM HYBRIDUM

Showy, hardy perennials, blooming the first season if sown early. In colors, white, rose, crimson and scarlet; 2 to 3 inch daisy-like, single, anemone and globular double flowers. The foliage is fine-cut and ferny. 2 feet.

Double Mixed. Pkt. 25 cts. **Single Mixed.** Pkt. 10 cts.



Salvia Zurich

Scabiosa (See P. 51)
(Mourning Bride)

SALPIGLOSSIS

The distinct colors are marbled and penciled on, many having the appearance of being sprinkled with gold dust. Bloom from August to October, on long stems making an ideal cutflower. Very easily grown. Half-hardy annual; 2 feet. **Emperor.** Choice mixed. Pkt. 10 cts.

Crimson. Pkt. 10 cts. **Faust.**

Black. Pkt. 10 cts. **Light Blue**

and Gold. Pkt. 10 cts. **Rose**

and Gold. Pkt. 10 cts. **Violet**

Pkt. 10 cts. **Yellow.** Pkt. 10 cts.

SALVIA (Scarlet Sage)

This very popular plant is a tender perennial, but should be treated as an annual. Its beautiful flaming spikes of blossoms will add more to a border than any other plant, and where a brilliant scarlet is wanted it is unsurpassed.

America. Because of its uniform growth coupled with profuse and continuous bloom, this comparatively new variety is particularly valuable for extensive bedding or formal lines. Pkt. 20 cts.

Clara Bedman. (Bonfire) It grows about two feet high and as many broad and very compact. Its long spikes of fiery scarlet flowers stand up stiff and erect well above the foliage. Pkt. 10 cts.

Splendens. One of the most gorgeous of annuals, blooming readily throughout the summer and fall. The plants grow from one and one-half to three feet in height, inclined to branch freely towards the top, are completely covered with showy sprays of bright scarlet flowers until cut down by frosts. Pkt. 10 cts., 1/4 oz. 35 cts.

Zurich. A dwarf variety, but with long full spikes of rich scarlet flowers. It is free blooming, commencing early and continuing with unabated brilliancy until late in the season. Pkt. 15 cts.



SCABIOSA (MORNING BRIDE)

Handsome summer border plant producing its splendid flowers in greatest profusion from July until severe autumn frosts. Flowers are of compact, rounded shape, long stems, making them ideal cutflowers which keep in water a week. The colors are both strong and dainty, equally enjoyable and effective in bouquets or the garden. Hardy annual; 2 to 2½ feet.

- Double Azure Fairy.** Pkt. 10 cts.
Double Crimson. Pkt. 10 cts.
Double Golden Yellow. Pkt. 10 cts.
Double Rose. Pkt. 10 cts.
Double White. Pkt. 10 cts.
Double Mixed. Pkt. 10 cts.

SCHIZANTHUS (BUTTERFLY FLOWER)

Annuals, producing in a few weeks from seed a plant obscuring wealth of beautiful flowers of many colors, spotted, blotched and veined.

Hybridus Grandiflora. Choice mixed. Pkt. 10 cts.

Wisetonensis. One of the finest large-flowered sorts, colors ranging from pink with brown center to white with yellow center. Excellent for pot plants. Pkt. 15 cts.



Giant Perfection Stocks

STOCKS The "Gilly flower" is a half-hardy annual. The flowers in close-set, thick panicles on both main stems and side branches.

DOUBLE GIANT PERFECTION TEN WEEKS

This type is a perfected strain producing extremely large double flowers, about 10 weeks after being sown; grow about 18 inches high, in light, rich soil, each blooming plant a perfect bouquet of delightful fragrance.

Blue, Rose, Scarlet, White or Yellow. Pkt. 10 cts. each.

Double Giant Perfection Choice Mixed. All colors. Pkt. 10 cts.

Dwarf Double Ten Weeks Mixed. Only 12 to 15 inches high. Pkt. 10 cts.

CUT-AND-COME-AGAIN TEN WEEKS

An "everblooming" strain blooming in July from seed sown in March or April. Although earlier to start, their most perfect state is reached in Sept.-Oct.

Brilliant. Blood red.

Deep Rose. A very rich shade.

May Queen. Extra early; delicate lilac.

Princess Alice. Very large; pure white.

"Cut-and-Come-Again" Stocks Mixed. This and all varieties, pkt. 10 cts.

SMILAX (*Myrsiphyllum Asparagoides*) A graceful tuberous rooted, tender perennial climber, none surpassing it for its glossy deep-green, most delicate foliage and small white flowers; fine for vases and baskets. Soak the seed 24 hours before sowing; 6 to 10 feet. Pkt. 10 cts.



STOKESIA (Stokes Aster)

A splendid perennial for garden culture, in beds or borders. Blooms first year from seed. 1½ to 2 feet.

Cyanea. Showy deep lavender blue, aster-like flowers, in broad clustered heads from June on. Pkt. 10 cts.

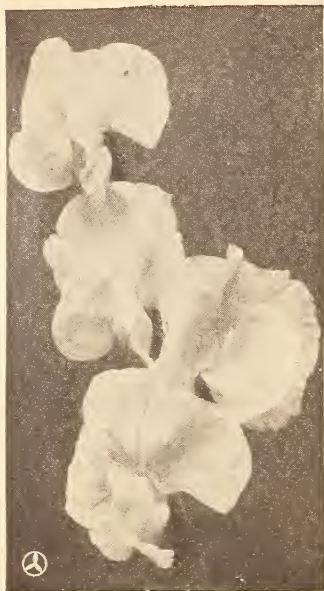
SUNFLOWER (Helianthus)

"Cut-and-Come-Again." (The Ever-Blooming Type.) The single flowers, 3 to 4 inches across are borne on long stems admirably adapted for vases. Choice colors in mixture. Pkt. 10 cts.

Double Chrysanthemum Flowered. Grows about six feet high and blooms profusely. The perfectly double flowers are bright yellow, from 3 to 6 inches in diameter. Pkt. 10 cts., oz. 25 cts.

Large Russian. A very tall growing double variety; 10 to 15 feet. The seed is used for poultry. Oz. 10 cts., ¼ lb. 15 cts., lb. 30 cts. By express 10 lbs. or more at 15 cts. per lb.

Purpureus. (New Red Sunflower.) The flowers come in various shades of red, and red margined with yellow, ranging from two to five inches in diameter. Plants grow branchily three to four feet high, and bloom freely. Pkt. 10 cts.



Austin Frederick



Crimson King



Picture

SWEET PEAS

CULTURE. Locate planting where there will be uninterrupted sunlight, in as good soil as possible, thoroughly mixed with well rotted cow manure. Seed should be sown before the first of April if weather will permit, about six inches down in the trench, and covered with an inch of firmly pressed soil. Thin out to 2 to 4 inches apart and a little soil may be drawn in to give greater depth to the roots. Vining support in the form of brush, chicken wire or taut strings should be supplied at the time of sowing. Water sufficiently, pick often to ensure continuance.

"EARLY FLOWERING" SPENCER SWEET PEAS

In bloom two to three weeks earlier than the Summer Spencers, flowering throughout a long season.

Early Aviator. A dazzling crimson scarlet.

Early Blue Bird. Light blue, practically self-colored.

Early Columbia. Salmon-rose with white wings.

Early Glitters. All-over deep orange, the standards fired with a sheen of red that actually glitters.

Early Harmony. A giant flower; clear lavender.

Early Hercules. Bright rose-pink on white ground.

Early Nightingale. A beautiful mauve-lavender.

Early Snowstorm. Best winter flowering white.

Early Zvolanek's Rose. One of the very best deep pinks.

ALL NAMED VARIETIES ABOVE—Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

"EARLY SUNRISE" MIXTURE

This is a wonderful blend of the named Early Flowering Spencers, displaying a wide range of colors and shades. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

SUMMER FLOWERING SPENCERS

The "Spencer" type of Sweet Peas, by its greatly increased size, its distinctive frills and waviness, and its general improvement in color depths and patterns, has practically usurped the field.

Austin Frederick. Flowers of immense size, a pleasing lavender shade, slightly darker at center.

Commander Godsall. Very rich, deep violet blue.

Constance Hinton. A robust, large sized variety producing pure white flowers in fours and fives.

Crimson King. The finest, richest crimson pea ever offered. Of strong growth, with long stems clearing the foliage, the flowers extra large and usually in fours.

Dobbie's Cream. This is the best Cream Spencer.

Elfrida Pearson. A pleasing blush pea; white ground flushed with bronze pink.

Fiery Cross. The standard is fiery red or crimson, the fluted wings a rich cherry orange.

George Shawyer. A vigorous grower, with large and beautifully waved flowers; salmony rose or orange pink.

Hawlmarmk Pink. The wings are bright rose pink, the standards a bit lighter, further toned with salmon.

Hercules. A magnificent deep rose pink, distinguished by its abnormal standards—frequently 2½ inches across—and unusually pronounced frills.

King White. Stems long, uniformly in fours; immense white petals of finest frilled type.

Margaret Atlee. A rich glowy pink on cream grounds, softly suffused with salmon.

Masterpiece. Lavender, one of the finest, in fours.

Mrs. Tom Jones. Bright blue.

Picture. An outstanding recent novelty of extreme size, borne freely in superb sprays of four or more; a delightful pink suffused with cream and apricot.

Pink Pearl. An exquisite effect of soft pearl, gently flushed pink throughout; a profuse bloomer.

Renown. A recent English introduction conceded to be one of the best rose-carmine peas extant.

Royal Scot. Large flowered, long stemmed, bearing fours; brilliant, very showy deep cerise, which is comparatively sun-proof.

Warrior. Rich, reddish maroon with a bronze overcast; one of the best dark varieties.

Wedgewood. A lovely, unique shade of Wedgewood blue, in much demand. A profuse bloomer.

Price of any of the above, Pkt. 10 cts., oz. 30 cts., ¼ lb. \$1.00.

SPENCER MIXT SWEET PEAS

All varieties and colors in a delightful mixture conceded to be the best result-getter of any Sweet Pea mixture on the market. Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.50.



Sweet Williams

◎ SWEET WILLIAM

PERENNIAL

(Dianthus Barbatus)

Popular garden flower, showing a wonderful array of vivid colors in fancy patterns. Flowers are shaped, clustered and colored much like Phlox; the markings, however, being more sharply defined. Perfectly hardy, but sow the seed in ultimate location, or transplant when young; as matured plants move awkwardly.

Pink Beauty.

Scarlet Beauty.

Dark Crimson.

Double White.

Above—Pkt. 10 cts.

Mixed Single. Pkt.

5 cts.

Mixed Double. Pkt.

10 cts.



Verbenas

ANNUAL SWEET WILLIAM

Choice Mixed. Almost identical with the perennial varieties in form of flower, rich and dainty coloring and fragrance, but unlike the perennials which do not bloom until the following year, these are annuals, blooming the same year the seed is sown. Pkt. 5 cts.

THUNBERGIA

Beautiful, rapid growing rather shrubby climbers, with a plentiful supply of trumpet shaped flowers in various colors and markings; fine for vases, rustic work or greenhouse culture. Half-hardy annuals; five feet. **Fine Mixed.** Pkt. 5 cts.

S. & H. "COLOR RIOT" Wild Garden Mixture

"Color Riot" Annual Mixture. Contains a mixture of hundreds of free flowering annuals that will give amazing effect the first year. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

"Color Riot" Perennial Mixture. A splendid mixture of permanent flowers, all free flowering and very desirable. Pkt. 10 cts., oz. 35 cts.



Restores and Maintains Soil Fertility
See Page 30

Inoculation with Nitragin is highly beneficial to the germination, development, and both quantity and quality of bloom. Commercial growers all use it.

VERBENA—Mammoth Flowered

A showy annual creeper, literally covered with large umbels of brilliant blossoms. For early blooms sow in boxes and transplant into rich soil fifteen inches apart. May be sown in April in the open and thinned.

Pink. Pkt. 10 cts.

Blue and Purple Shades.

Firefly. Pkt. 10 cts.

Pkt. 10 cts.

Scarlet. Pkt. 10 cts.

Lucifer. New, large, cardinal red. Pkt. 20 cts.

White. Pkt. 10 cts.

Mixed. Pkt. 10 cts., ¼ oz. 35 cts.

WALL FLOWER

Deliciously fragrant flowers in long, full spikes which are very free and pretty during the spring. They combine many shades of color; the orange, purple and chocolate predominating. Tender perennial, requiring winter protection in the north. 1½ feet.



Annual Mixed. Blooms first year. Pkt. 10 cts.

Double Mixed. Pkt. 15 cts. **Single Mixed.** Pkt. 10 cts.

ZINNIAS®

Few flowers are so easily grown from seed sown in the open ground or bloom so abundantly and continuously as this hardy annual. Marvelous improvements have been wrought in the newer strains. We recommend them for groups, beds, borders and summer hedges, where they will bloom quite freely, but are incomparably bright during the month of August. Sow seed in the open ground early in spring or start them in hot-bed or warm window and transplant when the ground is suitably warmed. Height 1½ to 2 feet.

NEW DOUBLE Dahlia Flowered ZINNIAS

This mammoth sized, unusual shaped and color perfected type has revolutionized the appearance of our annual gardens during the past two years. They very closely resemble the double decorative type Dahlias in form and in their robust growth. Plants get up to 3 feet in height, with perfect flowers often 6 inches wide by 3 and 4 inches in depth. These range widely as to color, even introducing depths and tones heretofore unknown to Zinnias. **Crimson Monarch.** Immense flowers often 8 inches wide; the largest and richest of the group. Pkt. 15 cts. **Dream.** A beautiful shade not common to this class; deep lavender turning to mallow purple. Pkt. 15 cts.



**Dahlia
Flowered
Zinnia**



Zebra and Giant Scarlet Zinnias

Golden State. Bright yellow in the bud, deepening with maturity to a rich orange shade. Pkt. 15 cts.
Old Rose. Fitly named for its color, which beautifies a large and perfect flower. Pkt. 15 cts.
Oriole. A superb variety in size and dahlia character; A warm suffusion of orange and gold. Pkt. 15 cts.
Polar Bear. Of large size, and the best white introduced in this class to date. Pkt. 15 cts.
Scarlet Flame. Vividly descriptive. Pkt. 15 cts.
Dahlia Flowered Zinnias Mixed. Pkt. 15 cts., 3 pkts. 40 cts., ¼ oz. 75 cts.

NEW GIANT ZINNIA

Picotée. The beautiful flowers are of a Giant type, each petal distinctly tipped with a darker shade as in Picotée Carnations. They come in a variety of colors, including orange, flesh, lemon, pink and cerise each with the peculiar marking on tips of petals. We offer in mixture only, cannot supply separate colors.
Picotée Mixed. Pkt. 15 cts.

GIANT DOUBLE FLOWERED ZINNIAS

These are not to be confused with the common or small flowered strains, as they are truly giant flowered.

Giant Flowered Crimson. **Giant Flowered Purple.**
Giant Flowered Orange. **Giant Flowered Scarlet.**
Giant Flowered Pink. **Giant Flowered White.**
Giant Black Knight. (Deep maroon red).

Above—Each, Pkt. 10 cts.

Giant Flowered Zinnias Mixed. Mixture of above and others. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.00.

ZEBRA ZINNIAS

All colors, striped and spotted with different shades.
Mixed. Pkt. 10 cts.

DOUBLE POMPON ZINNIAS

Flowers small, double and of beautiful form; fine for bouquets. **Fine Mixed** colors. Pkt. 10 cts.

CURLED and CRESTED ZINNIAS

The flowers are large, full and double, the petals being twisted, rendering them free from stiffness. A variety of splendid colors. **Mixed.** Pkt. 10 cts.



THIS DEPARTMENT embraces the output of 45 large greenhouses, numerous up-to-date propagating frames and more than 25 acres of land. It embraces a great assortment of Summer Bedding Plants, Flowering House Plants, Decorative Plants, Vining Plants for boxes and baskets, Summer Flowering Bulbs, Tender Roses, Aquatic Plants and a splendid collection of Hardy Perennial Plants. In many things we have probably the largest and most complete stocks in the country, our entire line of production very complete.

PRICES. All prices listed under this department are priced for delivery by mail, postage prepaid—unless otherwise specified. Express shipments are not prepaid.

Shipment by Mail. To reduce weight and volume, all pot plants are shipped without pots, and with most of the dirt knocked off. Various kinds of plants cannot be safely mailed, and are specially excepted following their descriptions. Mail service is generally prompt and satisfactory for any distance if weight is not too great to allow sufficient packing for preservation of the stock.

Shipment by Express. The heavier plants are selected; nearly all the soil is retained, adequate packing material used and substantial cases or containers are furnished free—on deliveries by express. In many cases a special and lower price is quoted for express orders.

No Plants by Freight. The slowness and uncertainty of freight service make its use very impracticable and unsafe for all tender plants and perennials. If such stock is ordered shipped in this way, customer must assume entire risk of loss or damage.

We Guarantee Safe Arrival. Shipments of stock listed under Plant Department, by mail or express, are guaranteed to reach destination in good condition. We should be advised if delivery is not made within a reasonable time after notification is mailed from this office. Examine stock carefully upon arrival, and report **promptly** any items damaged or in poor condition, both to us and to the delivering Express company. After safe delivery in good condition we do not assume responsibility for future growth or failure.

PLANTING TABLE

FOR CIRCULAR BEDS

At 6 inches apart, commence outside row 3 inches from edge of circle; if 12 inches apart, then 6 inches from edge, etc. It is important to make the outer rows compact, although the inner rows may be more openly spaced. The table below is for circular beds, but if square will require about the same number of plants. An oval bed may be compared to a diameter found by adding length to breadth and dividing by 2.

Diameter of bed.	Plants 6 in. apart.	Plants 12 in. apart.	Plants 18 in. apart.	Plants 24 in. apart.	Plants 30 in. apart.
3 feet	28	7			
4 "	48	12	6		
5 "	80	20	8		
6 "	112	28	12	7	
7 "	152	38	18	9	
8 "	200	50	24	12	
9 "	256	64	28	16	
10 "	320	80	36	20	13
11 "	380	95	42	24	16
12 "	452	113	50	28	18
13 "	528	132	59	33	22
14 "	612	153	68	39	25
15 "	704	176	78	44	28
16 "	804	201	89	50	32
17 "	904	226	100	57	36
18 "	1016	254	113	63	40
19 "	1132	283	126	71	46
20 "	1256	314	139	78	50

Formula for computing number of plants in each row of a circular bed: Radius (in inches) $\times 6 \frac{1}{2} \div$ Interval = plants. Each interior row requires 6 plants less than the next larger circle. Compute outer row first.

MAIL ORDER BARGAIN COLLECTIONS

OF PLANTS AT HALF PRICE—OUR SELECTION OF VARIETIES

FOR 85c

We will send any one of the following plant collections, **post-paid**, thus giving about double the money's worth in every collection. Plants and bulbs used in filling these collections are not the cheapest varieties by any means. Many times we have a surplus of novelties and especially good varieties and these collections enable us to give our customers the benefit of our overproduction.

Please Notice Conditions.

(1) Choice of varieties must be left to us, the purchaser simply mentioning the numbers of collections wanted.

(2) The prices of all collections are **NET**, except that we will send five collections for \$3.75.

These **Bargain Collections** can be offered cheap because they are assembled in large quantities at one time, at a minimum handling expense. Although given bargain prominence here at commencement of Plant section, this should not be considered as cheapening the dignity of any item regularly offered on succeeding pages.

- Set No. 1.. 8 Hardy Climbing Roses, in 8 varieties.
- Set No. 2.. 8 Everblooming Roses, in 8 varieties.
- Set No. 3.. 8 Geraniums assorted.
- Set No. 4.. 8 Carnations assorted.
- Set No. 5.. 2 Fuchsias, 4 Begonias, 2 Abutilons.
- Set No. 6.. 8 Begonias assorted.
- Set No. 7.. 7 Large Flowered Cannas, 7 varieties.
- Set No. 8.. 8 Chrysanthemums in 8 varieties.
- Set No. 9.. 8 Basket or Vase plants.
- Set No. 10.. 3 Tuberous Begonias, 2 Caladium, 6 Tuberose.
- Set No. 11.. 30 Gladiolus bulbs—mixed varieties.
- Set No. 12.. 8 Choice Herbaceous plants—all different.
- Set No. 13.. 4 Small Palms—best varieties.
- Set No. 14.. 5 Dahlias in 5 varieties.
- Set No. 15.. 6 Hardy Shrubs in 6 varieties.
- Set No. 16.. 6 Hardy Climbing Vines, 6 varieties.
- Set No. 17.. 5 Ferns in variety (Boston, etc.).
- Set No. 18.. 6 Fern-dish Ferns (including 1 Asp. Plumosus).
- Set No. 19.. 4 Lantanas, 2 Heliotropes, 2 Hibiscus.
- Set No. 20.. 4 Hardy Lilies, in 4 varieties.

DECORATIVE HOUSE PLANTS

AND LARGE CLASSES OF BEDDING PLANTS

*SEE PAGE 87 FOR MISCELLANEOUS BEDDING, BASKET and VASE PLANTS



Abutilon Souvenir de Bonn

ABUTILON (Flowering Maple)

Popular as pot plants, and for summer bedding, vases and baskets. The flowers are deep bell-shaped, in various colors, solitary, well distributed over the plants, borne in profusion throughout the entire season.

Daydawn. Flowers bright daybreak pink.

Golden Bell. Tall growing, profuse in golden bloom. This is particularly good for garden show.

Savitzi. A Japanese variety that is deservedly popular as a decorating plant, its sharply variegated green and white foliage making it very attractive and showy. 25 cts. each, \$2.50 per dozen.

Snowstorm. Flowers pure white.

Souvenir de Bonn. Deep green maple-shaped leaves, irregularly bordered with creamy white. Very free flowering, with bright orange flowers, veined crimson. 25 cts. each, \$2.50 per dozen.

Splendens. A beautiful deep red variety, dwarf growing, with foliage a pleasing shade of green,

Thompsoni. Flowers salmon-pink, foliage blotched with yellow. 25 cts. each; \$2.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.

ACHYRANTHUS

Thrive in any soil; are not easily killed by frost. They make intensely bright beds, and show off splendidly in borders to taller growing plants.

Herbsti. Transparent leaves of rosy carmine, intensely brilliant; compact and dwarf growth.

McNally. Red stemmed; bright, rich green with yellow arching veins. A robust grower.

15 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

ACALYPHA

One of the popular colored types of bedding plants, with various attractive leaf-formations.

Godseffiana. Ovate, finely serrated leaves of bright green, bordered and blotched creamy white.

Sanderi. (Chenille Plant.) Foliage deep glossy green; the flowers being fuzzy, bright red, rope-like pendants, often 18 to 20 inches long, drooping from the axil of each leaf. They make showy specimen pot plants, and are very cheerful summer bedders.

Triumphans. Crisp, pointed, ovate leaves of light red, fantastically marbled in darker shades.

Wilkesiana. The broad leaves are oddly and capriciously variegated in blocks, splashes, streaks, or spots, or all, in uncertain proportions. Colors range through combinations of light to very dark greens, pale red to maroon, pale yellow to bronze.

PRICE: 25 cts. each; \$2.50 per dozen.

AGERATUM

The flowers appear in great profusion all the season, in rounded terminal umbels, each floret a small round bur of protruding, but soft bristles. They appear to greatest value as an edging, or massed.

Frazeri. Dwarf; deep amethyst blue shaded purple.

Blue Star. Bright blue, star shaped flowers in dense clusters; even, dwarf growth not over 4 to 5 inches.

Tapis Blue. Dark and showy.

15 cts.; \$1.25 per dozen. By express, \$8 per 100.



Acalypha Sanderi

ALLAMANDA

Hendersoni. A choice greenhouse plant with magnificent flower-bells three to four inches in diameter; the richest, purest, waxiest yellow imaginable, and sweetly fragrant. This fragrance is entirely distinct, and unforgettable. Plant is strong growing, with a decided climbing tendency which makes it valuable for training on conservatory pillars and interior trellises, 30 cts. each. By express, 4 inch pot plants, \$1.00.

ALTERNANTHERA

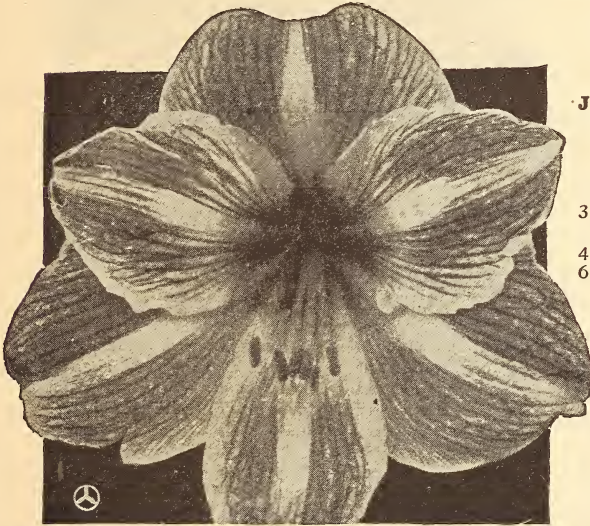
Bright, dainty little foliage plants extensively used for dwarf edging and for carpet bedding.

Aurea. Fine leaved; bright yellow touched with green.

Brilliantissima. Rather broad leaves, bushy growth; mottled bronze and cream, but mostly bright red.

15 cts.; \$1.25 per dozen. By express, \$8.00 per 100.

AMARYLLIS



New Amaryllis Hybrids

New Hybrids. In this new selection of improved types, we offer a most delightful range of colors, both solid and in combination. They run through shades of red and rose to white; not offered separately, but in mixture. Bulbs 50 cts. each; \$5.00 per dozen.

ARTEMISIA SILVER KING

The New Misty "Mixer" for Bouquets

Here is something new and outstanding. A strikingly effective white leaved contrast plant. A beautiful "mist" for setting off bouquets and floral combinations. A splendid filler for Canna beds, Larkspurs or other tall plants. Silver King is a vigorous quick growing plant with a close network of branches, fine stemmed and slender leaved. The opening leaf buds gleam like tiny beads, the entire color-effect bright frosted silver. The plants are matured and very showy early in summer, growing into compact symmetrical globes up to 3 feet high, which remain objects of beauty until lost against Winter's snowy background. Long sprays may be cut to mix with flowers (pink rose-buds being a favorite association), and the tops may be kept cut out to hold a desired height. Various tests in colder sections than ours, have proved it a hardy perennial; but until better known, we prefer to recommend it simply as an extremely fine and serviceable annual. 2½ inch pot plants, 25 cts. each; 3 for 65 cts.; \$2.50 per dozen. By express, \$18.00 per 100.

ANTHERICUM

Vitatum Variegatum. A showy decorative plant for the house or in summer window box or vase, growing in attractiveness as its bulk increases. The foliage is handsome, bright green, evenly striped and margined white. 20 cts. each, \$2.00 per dozen.

Goldianum. A new variety of above, equally large and thrifty but more compact in habit. The major part of the arching leaf is a strong white gold, the margins moss green with occasional broken thin stripes of brighter green. 25 cts. each; \$2.50 per dozen.

ASPARAGUS

Brilliant green foliage indoor trailing plants used for bracketed pots, window boxes and hanging baskets.

Plumosus Nanus. The lace-like texture of its foliage outclasses Maiden Hair Fern for grace and daintiness; the long emerald sprays making a rich setting for cut flowers of all descriptions.

Sprengeri. Mostly used for hanging baskets where its long dense trails make a gleaming mass of green.

20 cts. each; \$2.00 per dozen.

4 inch pot plants 35 cts.; \$3.50 per dozen.

AUCUBA

Japonica Punctata. (Gold Dust Plant.) A fine bold plant, especially attractive as large specimens, useful and graceful as palms for hall decoration and a splendid subject for the summer veranda. Leaves are broad; rich shiny green thickly spotted with gold. 3 inch pots—6 to 8 inches high. 35 cts. each; \$3.50 doz.

By express:

4 inch pots—8 to 10 in. high. 60 cts. each; \$6.00 doz.

6 inch pots—15 to 18 in. high. \$1.50 each; \$15.00 doz.

NEW JAPANESE

KURUME

AZALEAS

Splendid substitutes for the Azalia Indica of pre-war days, providing excellent and welcome flowering pot plants for winter house decoration.

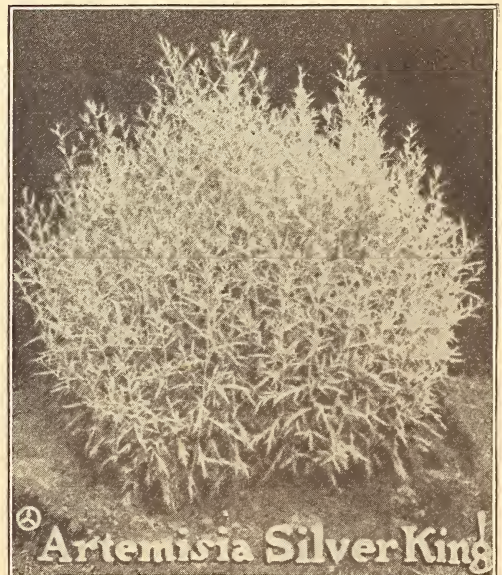
Christmas Cheer. Flowers semi-double; a cheerful, brilliant "Christmas"-red.

Daphne. Single flowers of silvery white, stained at the edge of petals with delicate mauve.

Pink Pearl. Extra large and full trusses, semi-double; a warm salmon-carmine, lighter at center.

Snow. Pure white.

3 in. pots, 35 cts., \$3.50 per dozen.



BEGONIAS



Argentea Guttata

FLOWERING BEGONIAS

Argentea Guttata. Purple bronze leaves, oblong in shape, with silvery markings; white flowers.

Corallina Lucerna. A splendid upright, vigorous grower, with long leaves of spotted olive green, a bright wine-red beneath. Enormous trusses of perfect coral red flowers make this variety one of the showiest and most desirable kinds in cultivation. 30 cts.; \$3.00 per doz.

Gracilis Luminosa. A magnificent Semperflorens, with flowers large, perfect and plentiful, and never out of bloom. Color the brightest scarlet.

Haageana. Another strong new decorative type, with large trusses of creamy white flowers suffused with pink; and foliage bold and attractive, bronzy green above, and reddish on the under side. 30 cts. each; \$3.00 per dozen.

Prima Donna. A good bedding Begonia with large, free flowers of bright pink.



Metallica

Metallica. A shrubby free blooming variety, with triangular leaves; under side of leaf and stem hairy; the surface a lustrous metallic or bronze color, veined darker; flowers white. 25 cts. each; \$2.50 per dozen.

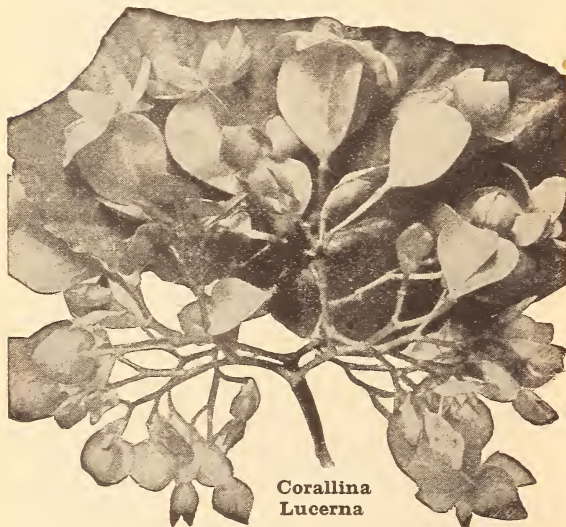
Rubra. The flowers are a rich coral red hanging in large pendant clusters. One of the best.

Thurstoni. Under side of leaves is rich, purplish red, veinings prominent, upper side bronzy green, shaded with crimson and olive, peculiar glossy metallic luster over all. Flowers rosy white in large clusters. 25 cts. each; \$2.50 per dozen.

Warscewici. The old-fashioned "beef-steak" Begonia. Thick, rounded leaves of deep green, with red on reverse side. 25 cts. each; \$2.50 per dozen.

White Pearl. Large, waxy white flowers; practically everblooming; growth rapid and bushy.

Unless noted, 20 cts. each; \$2.00 per dozen; 8, our choice, for \$1.25.



*Corallina
Lucerna*



REX BEGONIAS

The broad leaves, high colorings and exquisite markings of Rex Begonias makes them invaluable as decorative house plants and for baskets and vases, if given plenty of moisture and not exposed to the full rays of the sun. We have good stock, in fine variety.

Mixed varieties, varied colorings, 25 cts. each \$2.50 per dozen.

TUBEROUS ROOTED BEGONIAS



This is indeed a most interesting section. The flowers vary considerably as to form and size, ranging from two to four and even six inches across, with some of the single ones perfectly smooth, while others are fluted or distinctly fringed. The colors are delightfully vivid and distinct.

When grown outside, the Tuberous Rooted Begonias should be taken up before cold weather, spread out to dry, and be packed away in boxes of dry sand and stored through winter in some cool place, yet not where frost can reach them. Some little time before planting outside in spring they should be potted and kept inside until well started. They delight in a partially shaded location in soil composed of leaf mold, sand and well rotted manure.

SINGLE FLOWERED. Separate colors, **white, pink, scarlet, crimson, salmon and yellow.** 25 cts. each; \$2.50 per dozen; \$18.00 per 100.

DOUBLE FLOWERED. Varieties in separate colors **white, pink, scarlet, crimson, salmon and yellow.** 30 cts. each; \$3.00 per dozen; \$22.00 per 100.



Variegated Leaf Bougainvillea

Bougainvillea
"Crimson Lake"

BOUGAINVILLEA

Bright festoons, wonderfully effective along the walls in conservatories and sun rooms; or when trained on compact wire trellis forms, in tubs or large crocks.

Wm. K. Harris. A handsome foliage variety; the clustered lanceolate leaves showing a sharply defined variegation of bright green and creamy white, in about equal proportions. Shrubby, and fine for tubs. The plentiful flowers are a light rose color. 4 inch pot plants, 35 cts. each. By express, 6 inch pot plants, 75 cts. each.

Crimson Lake. This is one of the most notable vining plant introductions of years. Its numerous clustered, crinkly, paper-like bells in their emerald setting, are an incomparably brilliant crimson-lake color. 2½ inch pot plants, 40 cts. each. Specimen 6 inch pot plants, by express, \$2.50.

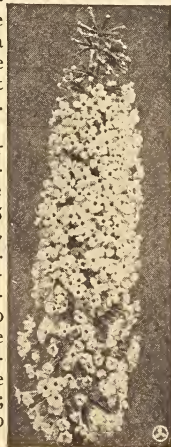
Glabra Sanderiana. Large bell-shaped flowers of lilac-rose borne profusely in terminal clusters all over the plant; blooms when quite small. 2½ inch pots 20 cts. each; \$2.00 per doz. 4 inch pots, by express, 60 cts. each; 5 inch pots, \$1.00 each.

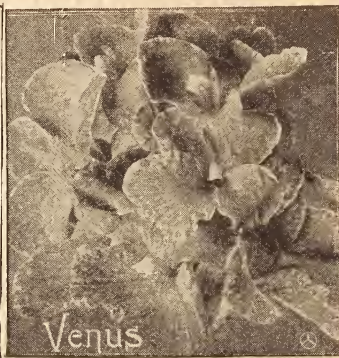
BUDDLEIA (Butterfly Bush)

Asiatica. A desirable winter-blooming greenhouse shrub which fills the air with fragrance and produces a vast amount of bloom during the season; white, in slender, compact racemes three to six inches long. 25 cts. each; \$2.50 per dozen.

Farquhari. A hardy type of rather dwarf, compact growth; with numerous medium sized lilac-purple flower spikes. Strong 2 year—65 cts. each; \$5.50 per 10. 1 year, mail size—30 cts. each; \$2.50 per 10.

Magnifica. The hardest for all sections when used outdoors as a permanent shrub. Flower spikes 10 inches in length by 3 in diameter are not unusual. Color deep violet-rose, with a pronounced orange center. Strong 2 year—50 cts. each; \$4.00 per 10. 1 year, mail size—20 cts.; \$1.80 per 10.





CANNAS

OF all bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. Their foliage is of noble proportions, making a full, compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged. See table directly above for guidance as to quantities of each.

Unless noted, all varieties in succeeding list have green leaves and belong to the well known Dwarf French Canna class. The exceptions noted refer to those few having dark or "Bronze" foliage, and to those tall sorts known as giant "Orchid-flowered," or Italian Cannas.

SUGGESTED ARRANGEMENT FOR
CIRCULAR CANNA BEDS

Diam.	Center	1st Row	2nd Row	3rd Row	4th Row	Total Plants
4 ft.	1	5	.....	.....	.....	6
6 ft.	0	3	9	.....	.....	12
8 ft.	1	8	15	.....	.....	24
10 ft.	1	5	12	18	.....	36
12 ft.	3	9	15	21	.....	48
15 ft.	3	9	15	21	28	76

PLANTING DIRECTIONS

Soil, etc. Cannas will grow in any kind of soil and most any location, but to obtain fullest development and reward, they should be given an open, sunny location and the soil enriched with well-decayed manure. Dig up about two feet deep, and at all times give plenty of water.

For bedding. Cannas should be planted no less than 18 inches apart each way; starting outer rows 9 inches inside margin of bed. Thus the planting radius of a 6 ft.

circle for outside row is 27 inches. In circular beds, the tallest variety should occupy the center, the medium heights next, finishing with a dwarf kind for the outside row. By consulting our descriptions, varieties may be selected according to desired heights, which range from 2½ to 8 feet. See planting formula and table on page 55.

CANNA PRICES,—unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.

Apricot. (4'). Broadly compact trusses freely produced. Strong, rich apricot passing to silvery pink, with gold and coral center. One of the daintiest and most attractive. 30 cts. each; \$3.00 per dozen.

Beaute Poitevine. (3½'). Blood-shot petals of crimson-scarlet. One of the good, reliable red bedders.

Candelabra. (3-4'). Much branched stalks, with heavy trusses. Watermelon, faintly grained with orange and rose pink. 35 cts. each; \$3.50 per dozen.

City of Portland. (3½'). Warm rose pink, holding its tone through both hot and cool weather. The great, full-petaled trusses are borne very freely on heavy stalks and make a wonderful show throughout the season. 25 cts. each; \$2.50 per dozen.

Cleopatra. (4'). Dark purplish bronze, upright leaves. Medium petals in good sized trusses; slightly crimsoned cardinal red. 50 cts. each; \$5.00 per dozen.

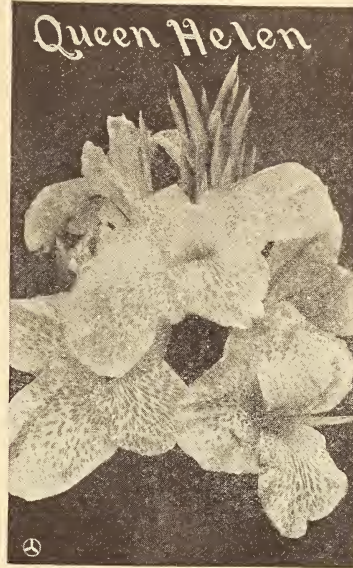
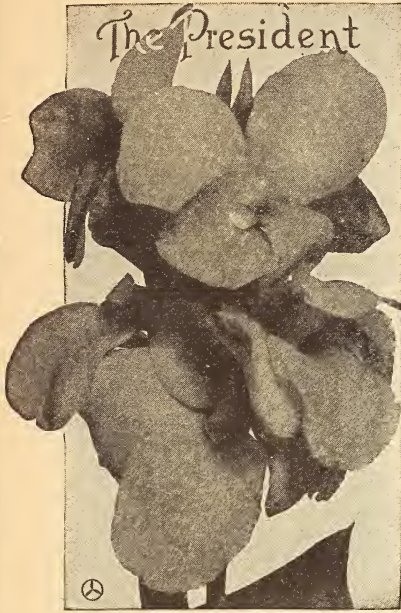
Crimson Bedder. (3½'). Dazzling crimson-scarlet.

Dr. Robt. Bosch. (5'). Long stems, large heads; soft tango scarlet. 35 cts. each; \$3.50 per dozen.

Duke of Marlborough. (5'). Rich crimson maroon.



Golden Gate (Page 61)



CANNAS (Continued)

Dwarf Florence Vaughan. (3'). Dwarf, free flowering; red very distinctly "speckled" over deep yellow.
E. M. Byrne. (5'). Massive, protruding heads of extra large flowers; good bloomer. Dark cardinal red. 35 cts. each; \$3.50 per dozen.

Fairy Queen. (3'). A dwarf front-row Canna, especially valuable because pink; very bright, and productive. Brilliant pomgranate pink with creamy base (strongly apparent outside), the center spattered with gold and coral red. 30 cts. each; \$3.00 per dozen.

Fiery Cross (4'). Vivid crimsoned scarlet.

Florence Vaughan (4'). Speckled—red on yellow.

Gaiety (5'). A thrilling display of large flowers; bloodshot orange with a prevalent golden mottling in the throat. 35 cts. each; \$3.50 per dozen.

Golden Gate. (4½'). A charming parti-colored variety which opens pure gold; but soon becomes markedly rayed with orange, rose and apricot emanating from a deep carmine throat. The fat, madder-red buds among fresh golden flowers are uniquely pleasing. 35 cts. each; \$3.50 per dozen.

Golden Wedding. (3'). Short and stocky, with corresponding heads; clear buttercup yellow. 30 cts.; \$3.00 per doz.

Hungaria (3½-4'). The first popular pink bedder; bright "Neyron Rose" pink. 30 cts. each; \$3.00 per dozen.

King Humbert (4-4½'). The best bronze leaved variety, very distinct heart-shaped leaves shaded with purple madder-brown. Immense orchid flowered trusses of velvety orange scarlet flecked with carmine, rose tinted at margin and base.

King Midas (5'). Rich, deep gamboge yellow, unadulterated, and remarkably permanent. Extra free bloom just nicely clearing the leaves, in bulky self-cleaning trusses. The best deep yellow to date. 35 cts. each; \$3.50 per doz.

Louisiana (6'). Deep orange scarlet.

Lyon Rouge (4'). Stocky growth; heavy, broad-petaled trusses; solid vermillion. 40 cts.; \$4.00 doz.

Mad. Crozy (3½'). Gilt edged, rosy scarlet.

Mohawk (5'). Wavy leaves of violet bronze, well set up; full, clean flower spikes. Richly shadowed poppy red. 45 cts. each; \$4.50 per dozen.

Mrs. Alfred F. Conard (4'). Makes a charming, continuous display of silvered peach-pink. 30 cts. each; \$3.00 per dozen.

Orange Bedder (4'). Bright orange suffused scarlet.

Queen Helen ("Yellow King Humbert"). (4-5'). Exact Humbert character, but the leaves are green and flowers rich golden yellow; beautifully dotted red. 35 cts. each; \$3.50 per dozen.

Richard Wallace (5'). The finest tall, light yellow; pure, unfading canary; very showy.

Souv. de Antoine Crozy (3½'). Brilliant crimson-scarlet conspicuously bordered golden yellow.

Statue of Liberty (6-7'). Torch-like, orange red trusses, rigidly upheld; one of the best extra tall red varieties. 75 cts. each; \$8.00 per dozen.

The Ambassador. (4'). Darkly veined bronze leaves; good heads of broad flowers, unblemished fiery scarlet ("Bronze leaved President") \$1.00 each; \$10.00 per dozen.

The President. (4'). The best green-leaved red-flowered canna offered.

The flowers are immense, round, firm; a cheery one color pure scarlet. 35 cts. each; \$3.50 per dozen.

Venus. (4'). Large oval petals exquisitely variegated, warm rose pink mottled near center, and edged with creamy white.

Victory (3'). A delightful, dainty dwarf type. Creamy ecru toned with shell pink and chamois; rounded florets with crimped edge, in full, compact, self-cleaned trusses. 30 cts. each; \$3.00 per dozen.

Vulcan (5'). Intense garnet red flowers on purplish stalks; the dark green leaves broadly banded. 75 cts. each; \$8.00 per dozen.

Wintzer's Colossal (4-5'). Extremely large orchid flowers, unbleaching vivid scarlet. 30 cts. each; \$3.00 per dozen.

Wyoming (7'). Very showy contrastive type; the foliage rich purplish bronze; the flowers bright orange slightly rimmed and flaked with rose.

CANNA PRICES—unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100.



"Elephant's Ear" planted in Rockery

FANCY LEAVED CALADIUMS

A class of beautiful variegated foliage plants, excellent for window boxes, vases or single pot plants, succeeding equally well in a somewhat shady situation out of doors. Among all foliage plants they are undoubtedly the showiest, reveling in many soft colors and indescribable beauties of design. After becoming well established, they require liberal watering coupled with adequate drainage. The bulbs should be started into growth about the first of April and dried off in October and kept in a warm and dry place until spring again. 25 cts. each; \$2.50 per dozen, By express, \$20.00 per 100.



Fancy Leaved Caladiums

CALADIUM ESCULENTUM

(Elephant's Ear)

For obtaining tropical effects in lawn and garden planting this beautiful plant takes a prominent place. Stands six to seven feet high, with bright green leaves three to four feet long and two and one-half feet wide. Should have plenty of water and good rich soil. Is a splendid adornment for the banks of fountains and lily ponds, or any rockery work where plenty of moisture is available.

	Each	Dozen	Express
Extra large bulbs.....	35 cts.	\$3.50	\$3.00
First size bulbs.....	20 cts.	2.00	1.75
Second size bulbs.....	15 cts.	1.50	1.00

CALLAS

The White Calla is rarely used except for house bloom, but the hardier spotted-leaved variety, *Elliotiana*, is mainly used in the gardens for the beauty of its foliage as a border, and its delightful flowers for late summer cutting. The bulbs should be set out after danger of frost is past, and dug up again in the fall for drying off and winter storage.

Ethiopia. This is the well known and ever popular White Calla Lily whose chaste, waxen beauty is typical of purity and refinement. There is nothing to take its place in decorations for church functions, and its presence in the home is ever an inspiration. 35 cts. each; \$3.50 per dozen.



Spotted Calla "Elliotiana"

Elliotiana. Leaves dark green with creamy white spots; flowers a richly lustrous golden yellow. 20 cts.; \$2.00 per dozen; \$15.00 per 100.

The Godfrey Everblooming Calla. (New.) Flowers as large as the largest and outbloom the others three to one; pure white. Plant dwarf and compact. 25 cts. each; \$2.50 per dozen.



CARNATIONS

Blooming plants valued for the inspiring spiciness of their perfume, the perfection of their flower form, fine cutting-lengths of stem, freedom, and long keeping.

Carnation plants should be repotted whenever there is indication of their becoming pot-bound. Transplanted into the garden after all danger of frosts is over, and given at least 12 inches of space, with good soil and cultivation, these plants should furnish abundant bloom from July until late Fall or may be kept "pinched back" to retard bloom, potted up at approach of frost and brought inside for winter blooming.

Benora. A handsome variegated sort; white irregularly streaked with red.

Edna. A bright red of perfect form, and good size. 25 cts. each; \$2.50 per dozen.

Enchantress Supreme. A light salmon-pink which does not bleach and is not liable to split.

Laddie. A new variety of extreme size, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter; color a warm rosy salmon-pink. Very free flowering and satisfactory. 25 cts. each; \$2.50 per dozen.

Red Matchless. As good in red as its parent plant Matchless is in white. 25 cts. each; \$2.50 per dozen.

White Wonder. Earliest white, and freest blooming.

Unless noted, 20 cts.; \$1.75 dozen. By express, \$10.00 per 100.

CHRYSANTHEMUMS

The magnificent, large flowered, fancy sorts may be forced and developed under glass, to the highest state of perfection; but are not hardy enough to survive the rigors of winter out doors. The average householder, therefore, must depend upon his garden for the 'Mum show; and is thus limited to the Earlies, Mid-seasons, Pompons, etc., which will bloom freely during the fall, and before winter sets in. Buy young plants each season, like Geraniums; their first bloom is best.

LARGE FLOWERED TYPES

(E) for Early; (M) for Mid-season; (L) for Late.

Celebration (M). For cutting, one of the best in its season; a high colored golden yellow.

Chieftain (M). Globular, incurved; rose-pink color.

Chrysolora (M). Yellow, midway in shade between Col. Appleton and Major Bonnaffon.

Col. D. Appleton (M). Large, deep golden yellow.

Glorious. (E) Similar to Chieftain in its full, globular form and expression, but earlier, and a truer pink with a touch of yellow at base of petals. 25 cts. each; \$2.50 per dozen.

Golden Chadwick. (L) One of the very best.

Golden Glow (M). Golden-yellow of velvety finish.

Golden Mistletoe (L). A free-blooming, late ball shaped flower of good size; rich, golden yellow.

Major Bonnaffon (L). The yellow for all purposes.

Marigold (E). Of exceptional size and bright yellow color; choice blooms often forced to 9 in. diameter.

Oconto (M). A beautiful white Japanese type, of moderate size but perfect ball shape; quite hardy.

Richmond (M). A golden yellow; noticeable for its long season, perfect fullness and silky finish.

Rose Perfection. (M) Large, perfect, crisp, and long-keeping; an even shade of bright rose, one of the most attractive exhibition varieties. 25 cts. each; \$2.50 per dozen.

Roman Gold. Incurved; dull, old gold.

Smith's Supreme. (E) Probably the very earliest good pink, a soft pretty shade, in loosely incurved form.

Sun Glow (E). Bright yellow flowers of Bonnaffon type, very perfect in form.

White Chieftain. (M). A perfect ball; one of the most dependable for late October bloom.

Unless noted, 20 cts. each; 3 for 50 cts.; \$1.75 per dozen. By express, \$10.00 per 100.



Rose Perfection



Boston Bronze

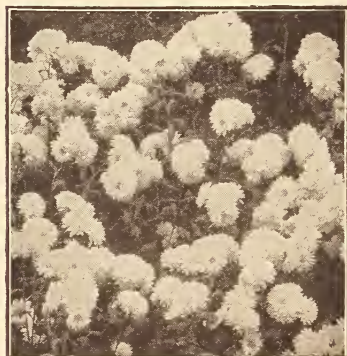


Carrie



Mitzie

POMPON 'MUMS



Snowdrop

are very satisfactory and furnish some of the daintiest table decorations of the fall and winter season.

Acto. Perfectly formed, full-quilled flowers about 2 inches in diameter; bright rose with lighter reverse.

Bright Eyes. Until finally unfolded, the incurving central petals show their reverse in strong orange-apricot, making a decided contrast against the bluish white of outer layers.

Champagne. Large flowered; vinous red.

Christmas Gold. Profusely blooming, normal size, perfect buttons, bright golden yellow. Fine pot plant.

Donald. Light pink button.

Eden. Good sized, lilac rose with dense gold tipped center.

Frank Wilcox Jr. Dwarf; tiny flowers of orange bronze.

Golden Harvest. Medium buttons, attractive, popular shade; deep, golden yellow touched with bronze.

Julie Lagravere. Late; best deep red.

La Somme. Blush pink with protruding yellow center.

Little Bob. A free, small button; brownish red.

Little Pet. Small, bright rosy-crimson.

Little Tot. Pale rose pink. Flower sprays remarkably full and attractive, because tip and side branches bloom simultaneously.

Niza. A very early, delicate pink; medium sized.

Snowdrop. Dwarf, bushy, free flowering, October bloom. Little pure white buttons.

Winnetka. Large flowered; creamy white.

Wolverine. Early, large, yellow flowers.

20 cts.; 3 for 50 cts.; \$1.75 per dozen.

By express, \$10.00 per 100.

ANEMONE 'MUMS

The Anemones are distinct garden kinds and very useful when cut in sprays for floral decoration. Plants grow 2 to 3 feet; and bloom extravagantly with clus-

tered flowers averaging 3 to 3½ inches wide. The central cushion or disc of dense, short quills, rests on one or more layers of usually flat ray florets.

Co-ed. Ray petals abnormally reflexed. Soft pink, with strong yellow tinge at center of cushion.

Emma. Tender pink grading outward to flesh pink, the whole flower illuminated by its center of yellow.

Garza. A perfect type; of medium size, disc compact, rays broad. Purest white, with yellow center.

Maple Leaf. All the changing shades of red and yellow which autumn gives the Silver Maple.

Sunshine. Crowded sprays of intense yellow.

The Belle. Purest white, both disc and rays.

Yellow Garza. Clear bright yellow of the Garza type.

20 cts.; 3 for 50 cts.; \$1.75 per dozen.

By express, \$10.00 per 100.

HARDY GARDEN 'MUMS

The following fine, rugged varieties assembled from Pompon, Anemone, and various classes, have proven hardy thruout the middle-west, with some protection during winter. It is advisable to cut off the old tops to a few inches above ground, then cover with old straw or leaves before winter sets in. The best bloom will result from annual transplanting, separating the year-old clump into small divisions.

Adironda. A button pompon, rich golden bronze.

Alice Howell. Orange yellow; early and continuous.

Ashbury. Lilaceous pink; showy and dependable.

Boston Bronze. A splendid satiny light bronze cut flower, extra large and full. 25 cts. each; \$2.50 per dozen.

Brune Poitevine. Large informal flowers, dull mahogany red, the under surface and curling tips bronze gold.

Carrie. Very early, good size, loosely constructed, a free bloomer; bright canary, deeper at center.

Eugene Langaulet. Rich coppery bronze.

Excelsior. Bright orange yellow; very free.

Glory of Seven Oaks. ("Everblooming Hardy 'Mum")

Brilliant clear yellow. Earliest and longest season of any field variety; popular for any use.

Mitzie. Dwarf growth, but extravagant bloom. Medium flowers, bright yellow with red center until matured.

Normandie. Variable blush pink and white.

October Gold. Gamboge, the center stained copper red.

Petit Louis. Tall pomp.; rose pink with bronze center.

Red Indian. Crushed-strawberry red over copper.

Rose Travena. Very deep shade of rose-pink; large.

Ruth. Rich claret red; shows up fine in bouquets.

White Doty. Milk white somewhat creamy at center the beautiful close-quilled form of Lillian Doty.

Wm. Sobey. Tall; flattish flowers, canary yellow.

Unless noted, 20 cts. each; 3 for 50 cts.; \$1.75 per dozen. By express, \$10.00 per 100.

COLEUS

Broad-leaved, bushy foliage plants which are unmatched for brilliancy and unique arrangement of colors. Some of the fancier sorts are painted in designs as indescribable as the traceries of frost. The more solid colors are in most general use for large bedding schemes, Cecil Brown for its fine trailing habit, and various of the fancy patterned sorts are largely utilized in box and vase work.

Beckwith's Gem. The center is dark velvety maroon, bordered fiery red, the edge green, changing to creamy yellow at the point of the leaf. Most popular dark kind.

Cecil Brown. (Trailing Queen.) One of the most attractive for close bedding, boxes and hanging baskets ever introduced. Rather small escalloped leaves of dark green, evenly checked with curving maroon lines; the wedge-shaped center gay with magenta and cream. This variety has assumed an important place as a vine for porch boxes, not usually alone, but mingled with Ivy, Asparagus, etc.

Crescent. Beautiful pointed leaves edged Nile green, but mainly a velvety red-maroon with a center wedge of crimson pink.

Daytonia. Yellow and green, with varying red-brown center.

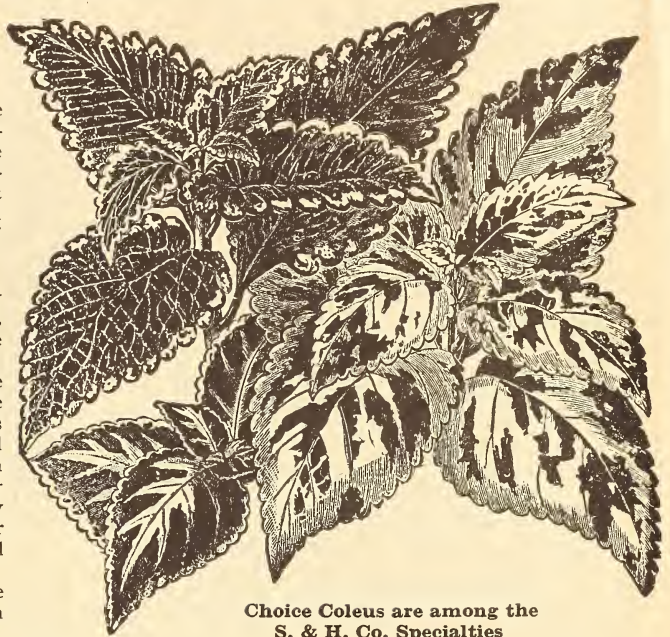
Glory of Autumn. Most vivid autumnal colorings in great variety on every plant, each leaf defined by a heavy bordered of applegreen.

Golden Crown. Brightest yellow for bedding. Used frequently for a yellow ribbon in circular beds, between the Scarlet Salvias, and a bronze-red edging of Alternantheras.

Her Majesty. Rich, warm red-brown without a blemish, confined within a beaded edge of gold.

Hollywood. (Novelty). Clustered small, crinkled leaves defined by yellowish green scallops. The surface a distinctly threaded tapestry; warm, and richly patterned in its shades of red and moldy bronze, carmine and madder rose. 20 cts. each; \$2.00 per dozen.

Princess. Broad, velvety leaves of purple madder brown, with beaded green edge and magenta midrib. 20 cts. each; \$2.00 per dozen.



Choice Coleus are among the
S. & H. Co. Specialties

Queen of the West. A center wedge of creamy white bordered green; the whole margined yellow and streaked carmine and maroon.

Verschaffelti. Rich velvety crimson.

Unless noted, 15 cts. each; \$1.50 per dozen. By express, \$8.00 per 100.

COTONEASTER

A desirable class of hardy shrubs valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. The variety *Horizontalis* is a splendid semi-trailing type, used with striking effect to top a garden wall, or among rocky stones. Being difficult to transplant in the average shrub size, we are growing them in pots to send out in a thrifty young stage, for greater security. Plant them in any good well drained soil, avoiding shade or moist situations.

Applanata. Of shrubby growth to 6 feet, with slender spreading and arching branches. Leaves half to one inch long, usually elliptic. The tiny flowers appear in June, followed in Aug.-Sept. by small clusters of bright red fruits about a quarter inch thick.

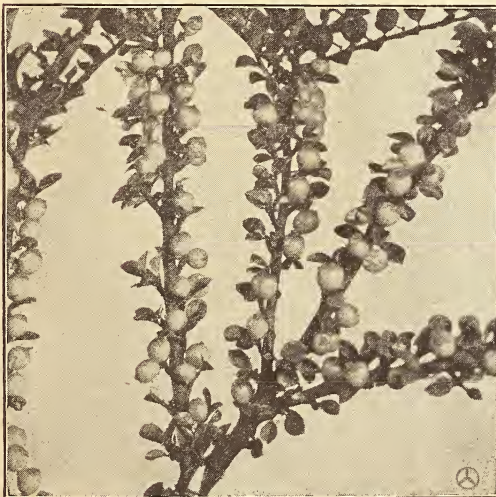
Divaricata. Growth upright to 6 feet; leaves deciduous, broadly oval, lustrous above, turning to crimson. Inconspicuous pink flowers; fruits $\frac{1}{8}$ inch long, turning to bright red in Sept.

Horizontalis. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits, deep into winter.

Simonsii. This has attractive inch long foliage, and an upright, branchy growth to 4 feet. The earliest fruiting, its berries bright red in mid-summer; its leaves crimsoning for fall.

4 inch pot plants, \$1.00 each; \$9.00 per 10. By express 75 cts. each; \$7.00 per 10.

For field grown plants, see under "SHRUBS."



Fruits of Cotoneaster Horizontalis

DAHLIAS

Spring is beautified by the Peony, summer would seem barren without the rose; in like manner we have come to expect of autumn—the Dahlia. From the great number of more or less distinct varieties which cumber the Dahlia catalogs, we are trying to keep our own lists down to a reasonable selection from the established varieties we know, and the best introductions.

CULTURE, Etc. Dahlias are not particular as to the soil or location. Although maximum growth and bloom reward the full sun, some of the stronger sorts develop most perfect specimens in partial shade; and localities with a moist atmosphere or dewy nights are apt to give better results than a drier air. Frequent cultivation prior to their blooming season is absolutely essential to real success. Time for planting varies according to climate, but is safe after all danger of late frosts is past. Tubers should be planted about 6 inches deep, laid flat, eyes or sprout up. Although good, lively tubers are apt to produce more stalks, started plants give practically an equal amount of bloom. **We send out tubers (root division) until supply is exhausted, after which orders are filled with started plants at the same price.**

NEW and RARE VARIETIES of SPECIAL MERIT

Ambassador. (*Hybrid Cactus*). A magnificent flower of noble proportions; soft yellow at center, with shadings of salmon, amber and pink creating a rich blend which deepens toward the tips. \$1.00 each.

Amun Ra. A giant flowered, uniformly perfect formed *Decorative*, on extra long, upright stems; a gorgeous, long keeping cut-flower. Soft melon pink, most of upper surface a shining gold, the large bronze center bristling with a fringe of folded petals in oriental red. 75 cts. each.

Billionaire. (*Peony Flowered*). One of the largest flowered in this class, given its name no doubt to express the richness and magnificence of its appearance. The color is deep golden orange. \$1.00 each.



California Enchantress



Amun Ra

California Enchantress. (*Cactus*). Very large size and good substance, on wiry rigid stems; soft delicate pink. Its style is a perfect example of the straight rayed, fine-quilled cactus type, and its color a positive delight. One of the very longest keeping varieties. \$1.00 each.

Dakota. (*Decorative*). One of Judge Marean's introductions, of fine, large exhibition type; deep coral red with coppery suffusion. 75 cts., each.

Elizabeth Slocombe. (*Hybrid Cactus*). A large, erectly held flower, of gracious form; the color graduating from rich, purplish red, to clear garnet at maturity \$1.50 each.

Gladys Sherwood. (*Hybrid Cactus*). Extraordinary size in breadth and thickness; the long petals broad based, but tubular at the tips. Unblemished; glistening white. \$1.50 each.

Glory of New Haven. (*Decorative*). Extra large, shapely flowers borne freely on long strong stems. A delicate shade of orchid pink. \$1.50 each.

Jean Chazot. (or "Gay Paree"). (*Hybrid Cactus*). Of the full, perfect, pointed formation; extreme productivity; and long season associated with Lonsdale, this new variety makes a sprightly, cheerful display of golden bronze tinged with nasturtium red. 75 cts. each.

Jersey's Beauty. (*Decorative*). Of ideal flower construction, large, free, with excellent stems, and vigorous plant growth. A popular cut-flower, for its beautiful deep, clear rose-pink color; altogether one of the best of recent introductions. \$2.50 each.

Jersey's King. (*Decorative*). Its brilliant color is variously described, but all meaning about the same and spelling beauty and charm. Oriental red suffused with carmine. \$2.50 each.

Judge Alton B. Parker. (*Decorative*). A wonderful exhibition variety, freely produced; golden buff with an overcast of fawn. \$1.50 each.



Mrs. I. de Ver Warner

DAHLIA NOVELTIES (Continued)

Kittie Dunlop. (*Decorative*). A brilliant, shapely, continuous sort with excellent cutting stems; the large flowers a deep carmine-rose with a distinguishing but indescribable suffusion. This fine variety is by now sufficiently well known to have earned a decided popularity as a cutflower. 75 cts. each.

Millionaire. (*Decorative*). One of the largest dahlias grown, a grand type for exhibition to your friends; delicate lavender pink. Plants, \$1.00 each.

Mrs. I. de Ver Warner. (*Decorative*). Rarely imperfect in form, of large size and in great abundance, usually displayed in profile. Its color is orchid-like and very popular, a deep mauve-pink. Early, continuous and substantial, this variety proves to be one of the finest of its class, for all purposes. \$1 each.

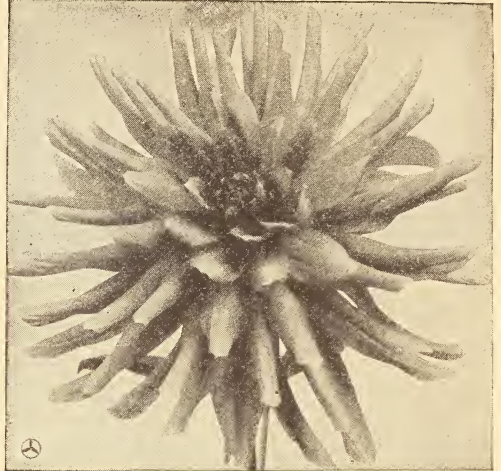
Mrs. John T. Scheepers. (*Decorative*). Immense flowers independently displayed above the foliage; canary yellow at center, graduating into a delicate suffusion with pink in the outer petals. \$1.50 each.

Rosa Nell. (*Decorative*). An attractive flower, holding its perfect form and brilliant rose color to end of season. It is a noticeable variety among others, perhaps because its particular color shade is rare, and needed. \$1.00 each.

GENERAL COLLECTION OF CACTUS DAHLIAS

Characterized by long, narrow, pointed, tubular and twisted petals of graded lengths, giving the layered flowers a very striking and attractive appearance; various new hybrids introducing new phases.

Unless noted, 30 cts. each; \$3.00 per dozen. By express, \$20.00 per 100.



California Beauty

Betty Austin. Of perfect form even to the end; very free and continuous, the long slim stems holding their burdens erect. Rich rosy carmine, with rose reflex, yellow at base and tips; distinct and showy. 75 cts. each.

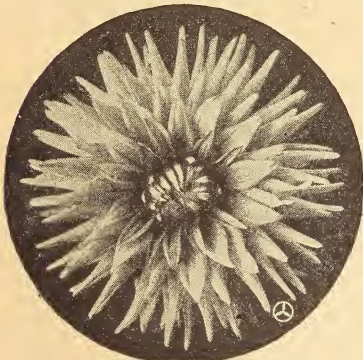
California Beauty. Exceptionally free-blooming, and in every light a desirable cut flower. Its color is burnished copper, subdued by amber and warmed by a hint of coral in its shadowed depths. 75 cts. each.

Cigarette. Long rolled petals, mostly white with a solferino tip, proportions of the two colors varying capriciously. 75 cts. each.

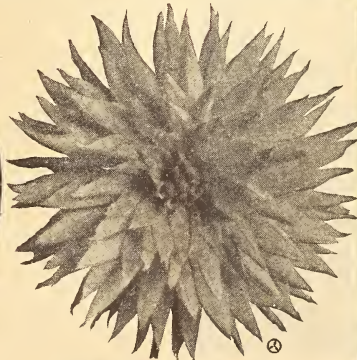
Countess of Lonsdale. An old and very popular variety. Longest season and freest bloom of any Cactus type; flowers very large, complete and perfect. Color exquisite blending of amber and salmon-pink.

Crystal. Long, twisted, incurved, tubular petals of silvery pink graduating to ivory white at center; of good form and large size.

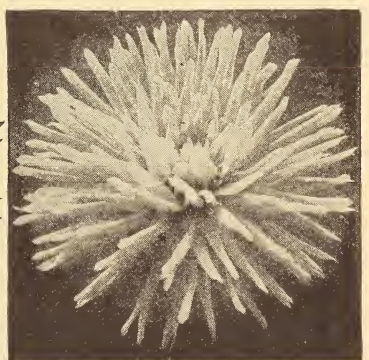
Else. A charming combination of delicate colors; buttercup yellow at base, gradually passing to amber, finished with a tip of Tyrian rose.



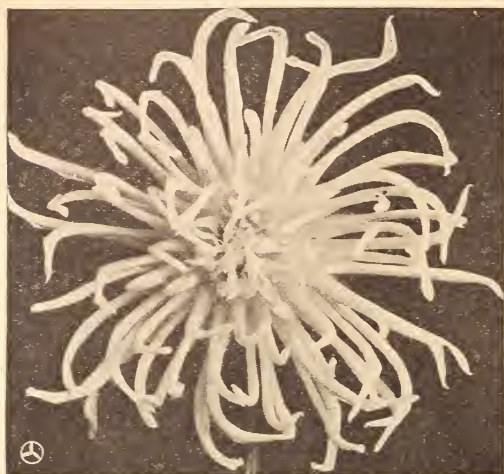
Countess of Lonsdale



Mrs. Henry R. Wirth



Marguerite Bouchon



George Schofield

CACTUS DAHLIAS—Continued

Etendard de Lyon. Beautiful flowers about 6 inches across, the broad fluted petals recurving to a 4 inch depth. The color is distinctly rich and lustrous, varying according to shadows, from carmine-rose to royal purple. 50 cts. each.

Floradora. Early and free flowering. Rich mahogany red, even darker at center.

F. W. Fellowes. One of the best of that thin, long-petaled type so delightful in mixed bouquets, in color an intense coral red with deeper suffusion at center. 75 cts. each.

George Schofield. Medium sized flowers of exquisite English cactus form; long, tubular, incurving, twisting petals. Color a delicate blending of apricot and yellow, reducing to white at the tips. 75 cts. each.

Golden Eagle. Tall growing, with long dark stems. Flower large, fine-petaled, full and deeply incurved; orange tan, with golden tips. 50 cts. each; \$5.00 per dozen.



Golden Eagle



George Walters

George Walters. A tall-growing showy impressive sort that always seems to focus attention. Its very large, full but loosely constructed flowers are yellow overlaid with apricot and shrimp pink; shaded at center with stone red or carmine. 50 cts. each; \$5.00 per dozen.

Golden West. A hybrid type of good form and size, the beautiful orange buff flowers in great demand as cut flowers. \$1.00 each.

Helen Durnbaugh. A good sized, well-set white with added daintiness and charm from the flattened petals of graduated lengths being fringed, and the white softened by a blush intensifying to warm rose at center. 50 cts.

Hoffnung. Loose cactus type of varying fullness, its coloring a delightful "peaches and cream" effect. Salmony old rose illuminated by a golden suffusion at center and tips. 50 cts. each; \$5.00 per dozen.

Kalif. Impressive, evenly disposed rays, broad at base with long, tubular quills; the center a compact tuft. Vivid turkey red. 50 cts. each.

Lawine. White, with a suggestion of blush.

Marguerite Bouchon. Flowers are perfectly shaped with long pointed and very numerous petals; a lovely shade of warm pink, white at center. 40 cts. each. \$4.25 per dozen.

Mlle. Marie Doucet. Perfect full, tubular cactus, outside, a charming mauve; center white.

Mrs. Henry R. Wirth. Of moderate growth but bushy with an early and continuous out-pouring of medium sized, perfect flowers; one of the brightest, a pure glossy cardinal. 60 cts. each, \$6.50 per dozen.

Pierrot. A fancy variety with long, narrow, tubular petals of deep amber; when perfect, with distinct white tips. .60 cts. each; \$6.50 dozen.

Red Cross. Extremely robust in growth, holding its numerous immense flower heads upright, on long firm stems. The petals are formal but fluffy. The delightful color combination is old gold, flushed and capriciously streaked with a soft red. 60 cts. each; \$6.50 per dozen.

Rheingau. Brilliant scarlet flowers about five inches wide. 35 cts. each; \$3.50 per dozen.

Standard Bearer. Bright, pure scarlet, thick and full to center, petals semi-quilled.

Strahlen Krone. Brilliant cardinal with purple button center and rose reflex.



Yellow Cactus

Yellow Cactus.



This is a simple descriptive name, but to experienced Dahlia growers it is name enough—if true in all it implies. Unlike most predecessors (whatever the name), it does not fade but is first and last a rich, solid lemon yellow; it does not shirk its duty (like some), but blooms early, much and long; it does not surrender its center at first clash with the sun (like most), but holds tight and preserves the true cactus form as long as the sturdier reds and pinks. In size, it runs seven inches or better. 60 cts. each; \$6.50 per dozen.

Unless noted, 30 cts. each; \$3.00 per dozen. By express, \$20.00 per 100.

DECORATIVE DAHLIAS

The flowers are usually large, but full open faced, with long, flat petals. They habitually bloom with great freedom and the individual flowers make a gorgeous display in the field besides furnishing magnificent cut flowers. It is within this class that most of the recent first class novelties have been developed.

PRICE: Unless noted, 30 cts. each; \$3.00 per dozen. By express, \$20.00 per 100.

Augustinus.

Remarkably early and free-blooming, with fine long stems and long petaled flowers waved and twisted into resemblance to the Chrysanthemums. Rosy salmon overlaid with metallic lilac. 60 cts. each.

Bonny Blue.

The nearest approach to a regular blue yet produced.

It is not washy, but a strong, dark, solid color; a little darker at the compact center. In form—perfect, full, round, short quilled, almost identified with the show type; profuse blooming, long stems and long keeping, it is all that can be desired for a reliable cut flower, in a unique shade of color.

Carolyn Wintjen.

Of extreme size, averaging 8 to 10 inches in diameter; salmon-pink shading to rose. A good cut flower with long, firm stems. 60 cts. each.

Catherine Duer. Iridescent cherry scarlet overlaid with crimson, darker at center.

Delice.

A warm tone of lilaceous pink overlaid on white, the full center shaded a deeper hue and each petal point just nicked with silver.

Diana. A good sized, long stemmed, perfect type bright crimson. 50 cts.



Bonny Blue

Doctor Tevis.

A magnificent exhibition type, liberal and large sized. Soft salmon-rose suffused with old gold, shading to a center of golden apricot. 75 cts. each.

Easton. A very striking and enjoyable red variety of medium size, but full, even petalage, and free-blooming habit; bright turkey-red. 35 cts. each; \$3.50 per dozen.

Eventide. A valuable cut-flower type of large size and perfect form. Essentially white, with just a touch of tender rose flushing the margins of the petals. 35 cts. each; \$3.50 per dozen.

Garland. Pure deep canary yellow in flat but full-petaled flowers of large size. A free bloomer, with substantial stems presenting their burdens face up. 35 cts. each; \$3.50 per dozen.

Gloriana.

Pure old gold intensified by a reddish glow in the center. Extreme size of flower and length of leafless stem. A brilliant garden type as well as vase flower. \$1.00 each.



Doctor Tevis

DECORATIVE DAHLIAS—Continued

Hortulanus Fiet. A "giant" decorative with an abundance of broad petals, the whole symmetrical flower averaging 8 inches across.

Its exquisite color distribution beggars description; but is roughly a delicate shrimp pink pointed with gold and faintly clouded with red and yellow tones. 60 cts. each; \$6.50 per doz.

**Insulinde**

Insulinde. Color and flower shape ordinarily fix a Dahlia's status; but aside from real class in these respects, Insulinde shows a cut-flower advantage almost unknown to the species. Its 7 to 8 inch flowers are set firmly on their long stems as horizontally as Zinnias or Chrysanthemums. Its long wide petals are deeply undulating, the usually close center upstanding like and remindful of the Calycanthus flower. Color golden ochre with salmon red suffusion deepening towards center. \$1.00 each; \$10.00 per doz.

King of Commerce. Firm, substantial, perfect form, medium size, free-blooming, early and out-lasting; a practical and popular cut-flower variety. Yellow, evenly tanned; with a red swartheness at center. A favorite for lamp-lit bouquets. 75 cts. each. \$7.50 per dozen.

**KING of COMMERCE****Hortulanus Fiet**

Mad. A. Lumier. Distinct and showy variegated sort, one of the freest bloomers; semi-double flowers of white, blotched with crimson toward the end of petals, extreme tips a rich violet red. 35 cts.; \$3.50 per dozen.

Madame Butterfly. A strikingly handsome variegated variety of medium size, the long narrow petals yellow at base, but dominantly a rich violet rose, the twisting tips showing the magenta reverse. 60 cts. each; \$6.00 per dozen.

Madonna. An early and free blooming type with good wiry stems, its petals long and gently undulated. White, faintly tinged with mauve. 60 cts. each.

Mina Burgle. Rich, luminous dark scarlet flowers of large size, strongly upheld; the petals evenly separated and gently recurved. Unusually free and continuous bloom. At one time considered the best dark red. 35 cts. each; \$3.50 per doz.

Miss Freeman. Distinctly large shapely flowers well upheld; salmon orange suffused with peach and red. 60 cts. each.

Mont. Blanc. Very large creamy white; unusually broad, flat petals, decidedly recurved.

Mt. Shasta. Very large and deep flower with long, slim petals rolled at points. A lovely daydawn pink slightly deeper in the shadows, and faintly gilded at center. 75 cts. each; \$7.50 per dozen.

Mr. Crowley. A bright, glowing shade of salmon pink, base of petals yellow. A delightful color and fine flower. \$1.00 each.



Mr. C. H. Dresselhuus

DECORATIVE DAHLIAS— Concluded

Oregon Beauty. Profuse, giant, ball-shaped bloom; intense oriental red suffused with garnet; a golden sheen over all. 35 cts. each; \$3.50 per doz.

Patrick O'Mara. The numerous flowers are large, perfect in form, well supported on long stiff stems. Rich chrome yellow with salmon red suffusion. 60 cts. each; \$6.50 per dozen.

Polar Bear. Purest white, the waxy flowers of great size and perfect form, borne very freely on good long stems; long lasting quality, either on the plant or in water. We call this the finest white Dahlia for practical cutting, we have ever offered. 75 cts. each; \$7.50 per dozen.

Princess Pat. Flowers of immense size and perfect shape with invariably firm center; a pleasing shade of old rose, enhanced by artificial light. 75 cts. each, \$7.50 per dozen.

Romance. Vivid orange; close inspection revealing an oriental touch in the carmine which is dusted, streaked and splashed over its entire surface. The flowers are large and carried upright on long stiff stems. 75 cts. each. \$7.50 per dozen.

Shower of Gold. Furnishes great quantities of attractive, long stemmed cut-flowers of fair size; petals rather narrow and sharp pointed, somewhat recurved. Brilliant yellow enriched by an apricot stain at center. 75 cts. each; \$7.50 per dozen.

Thompson. Tall, dark foliage; black stems. Protruding, conspicuous bloom; large, full petaled, recurved; brilliant scarlet, darker toward center.

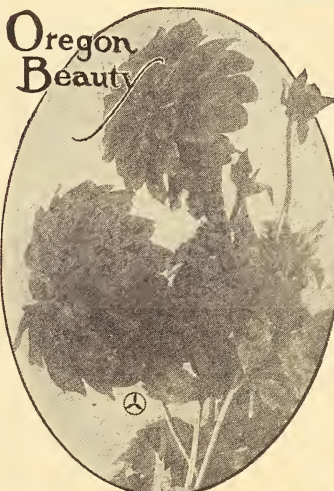
Wilhelm Miller. If larger, would favor the Peony flowered type. Brilliant carmine red, passing to Tyrian rose at tips. 35 cts. each; \$3.50 per dozen.

Mr. C. H. Dresselhuus.

Medium sized, dainty flowers borne in great profusion on excellent cutting stems; lovely shade of tender rose, with the tips noticeably whitened; a glorified Delice. \$1.00 each, \$10.00 per dozen.



Mrs. J. G. Cassatt



Oregon Beauty

Mrs. J. Gardner Cassatt.

Compact, four inch flowers with tight center; all-over bright mauve pink. One of the earliest varieties to bloom continuing and retaining its perfect condition remarkably long. 60 cts., each; \$6.00 per dozen.

Yellow Colosse.

(Giant) Solid primrose yellow; one of the most dependable and satisfying yellow varieties in the decorative class. 50 cts. each; \$5.00 per dozen.

Unless noted, 30 cts. each; \$3.00 per dozen. By express \$20.00 per 100.



POLAR BEAR

**Fire King**

"SHOW" DAHLIAS

This type is the most formal and perfect in shape, composed of short, stiff, numerous quills of varying character. They make excellent compact bouquets and usually outlast the other types when cut.

A. D. Livonia. Warm rose-pink, perfect flowers, with quilled petals which nearly overlap at the ends.

Arabella. An old favorite; primrose, tipped and shaded old-rose and lavender. A very energetic bloomer.

Chas. Lanier. Perfectly formed, fair sized, very prolific; rich yellow slightly tinged with copper.

Dreer's White. A somewhat smaller replica of the famous Grand Duke Alexis as to form of flower, but with longer stems and greater freedom. One of the best pure white show Dahlias for cutting.

Fire King. The short, rather flat petals are of the decorative type but so numerous and the entire flower so thick and compact, we assign it to the show class. The color is a sumptuous, velvety, ruby red; with a broad button center either darker, or rich with the effect of alternating bronze and garnet tips. 60 cts.; \$6.00 per doz.

Grand Duke Alexis. (Giant) Very large and full, with long, thick quills overlapping at the ends. White, slightly tinged and blotched lavender, especially at center. 35 cts. each; \$3.50 per dozen.

Lucy Fawcett. (Fancy Show) Large, full, heavy, with well-opened quills. Pale straw color, indefinitely dusted and splashed with tender rose to carmine; a persistent marking. 50 cts. each, \$5.00 per dozen.

Mrs. Wellesley. An old time favorite; creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject, unmixed, its short stems, compact character and exceedingly brilliant color, making a very showy mass.

Snowball. Perfect ball shaped, color blush white; free blooming, a fine cut flower type.

Unless noted, 30 cts. each; \$3.00 per dozen; \$20.00 per 100 by express.

POMPON DAHLIAS



Medium to small size, of perfect show type, invariably with long smooth stems. Especially good for small bouquets, sprays or dwarf beds.

Alewine. Blush pink tinged with lilac.

Allie Mourey. Primrose, overlaid pink.

Bobby. Deep plum. 35 cts. each; \$3.50 per dozen.

Catherine. Rich golden yellow; perfectly double.

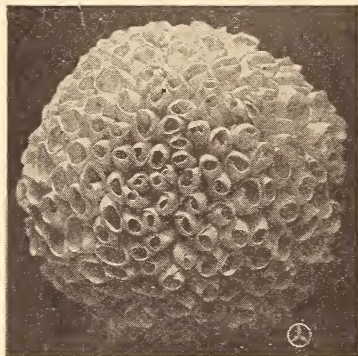
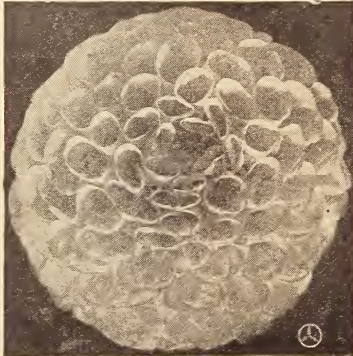
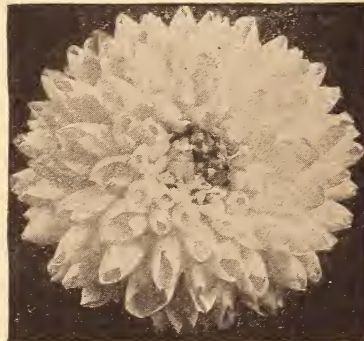
Golden Beauty. Of large pompon size, very compact; unadulterated canary yellow.

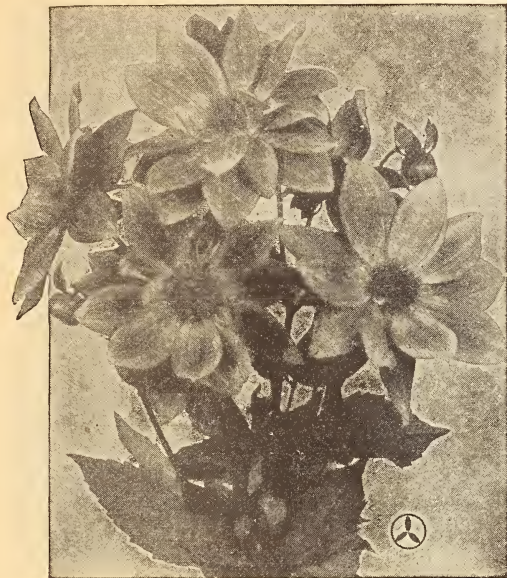
Little Beauty. Miniature Livonias. Little round, fully quilled balls of pure pink; make up beautifully in any design requiring a small, dainty flower. 35 cts. each; \$3.50 per dozen.

Little Prince. Bold and striking; from richest crimson-maroon to varying striped combinations of crimson, scarlet and white.

Pure Love. Deep lilac, extra fine form and free.

Unless noted, 25 cts. each; \$2.50 per dozen.

**A. D. Livonia****Arabella****Grand Duke Alexis**



Autumn Glow

PEONY FLOWERED DAHLIAS

Tall growing, loose-petaled, large flowered and free blooming. One of their chief advantages over the other types lies in their big, fluffy, aggressive aspect which makes them of great value for landscape use. All varieties are long stemmed and airily graceful. Very effective cut flowers; many having those soft, tender shades particularly lovely under artificial light.

Autumn Glow. Medium sized, semi-double profusely blooming on long stems. Brilliant canary-yellow surrounding an orange cushion, the outer two-thirds flaked and overlaid a velvety damask red. \$1.00 each.

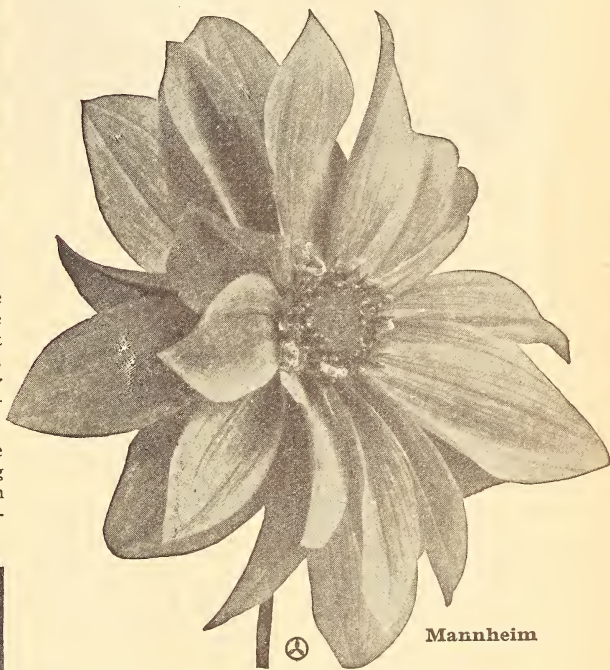


Single Dahlia Avalanche

Camille Frachon A magnificent new French introduction, equally striking and beautiful whether in its prevailing Peony flowered type, or as a Duplex-Century, or frankly single. Tall and rugged, with an abundance of flowers averaging 6 to 7 inches. Intense, glistening, aniline red deepening to rich garnet which forms a much-rayed halo around the yellow disc. 75 cts. each; \$7.50 per dozen.

H. Hornsveld. The partly folded petals show an alternation of carmine-rose from the underside, and gilded salmon pink above. Although similar in character to Mannheim, its colors are so much deeper as to make it a good companion. 35 cts. each; \$3.50 per dozen.

La Riante. Long, twisted petals; violet rose weakening at center. 75 cts. each; \$7.50 per dozen.



Mannheim

Mannheim. Four to five inch, three-rowed flowers of the loose decorative type; cherry salmon suffused with rose, underside bright rose. The general effect of a row of nodding stems is sparkling; showing first salmon, then rose as the wind blows. 50 cts. each; \$5.00 per dozen.

Mrs. George Gordon. A peculiarly opalescent pale yellow; of good size and form, and very free. 50 cts. each; \$5.00 per dozen.

The Mahdi. Flowers broad, thick and wavy; growth and general appearance boldly prominent. One of those delightfully uncertain fancy sorts in which the proportions of its blood-red, cream, white and yellow coloring are juggled back and forth at caprice of the season and its changeable conditions. 60 cts. each; \$6.50 per doz.

SINGLE DAHLIA

Avalanche. Extremely florescent; stems of any length; flowers about 3 inches. Frost white, except for a pink flush when first awakened; center prominent in deep gold. This positively single type makes a remarkably effective field display, and furnishes dainty bouquets. 50 cts. each; \$5.00 per dozen.



Paris Daisy

PARIS DAISY or "Marguerite"

The Marguerites are a delight in the garden where their conspicuous flowers, and rich green, indented foliage blend harmoniously with other bedding plants. Potted, they carry nicely in bloom through the winter. Used to advantage in summer boxes.

Boston Yellow. A yellow counterpart of Nicholson's.

Mother's Favorite. Semi-double; white with distinct center of short ray petals.

Mother's Pearl. Fully double. 30 cts.; \$3.00 per doz.

Nicholson's Long-Stem White. The best for cutting on account of unusual size, and length of stem.

Unless noted, 20 cts. each; \$2.00 per dozen.

DRACENA

Considered among the best of decorative foliage plants, and are largely used for conservatory and house adornment. They should be given a light fibrous soil with good drainage. liberal watering with frequent showers; and to ensure the greatest development of color, let them have all the sunshine available.



Dracena Indivisa

Fragrans. Plentiful, broad foliage of one color; lustrous, dark green. The plants are especially hardy and trustworthy for general house decoration. 4-inch pot plants, \$1.00 each; 6 inch pot plants, \$1.50 each.

Indivisa. Numerous slender, grass-like green leaves, the favorite center plant for box, vase and basket planting. 2½ inch, 20 cts.; 3 inch, 30 cts.; 4 inch, 50 cts. By express, 5 inch, \$1.00.

Mrs. Ed. Andre. One of the best high colored sorts; its heavy foliage a dark bronze which develops by sections to an intensely brilliant rosy crimson. 4 inch pots \$1.00 each.

Massangeana. Broad green leaves, striped with varying shades of yellow. 4 inch pots, \$1.00 each.

Sanderiana. An upright, stocky variety with alternating lanceolate leaves of dark green, striped creamy white. 35 cts.

Terminalis. Leaves rather long and pointed, deep bronze, coloring richly to crimson, marked with pink and green and occasionally streaked with white. Although like all self-coloring foliage, this variety has its dull aspects, sunshine, warmth and the evolutions of its normal seasons produce a wonderful brilliancy. 3 inch pots, 75 cts. each.

EVONYMUS



"Silver Leaf" Evonymus

Not hardy enough for permanent out-door use, but valuable in pots for decoration.

Japonica Argentea. ("Silver-Leaf"). Foliage round and large with most of surface silvered over with creamy white, extremely bright and attractive, of great value for contrasting. The texture is thick and rubbery, like the Ficus and Sedums, giving it valuable resistance as a house plant. 2½ inch pots, 25 cts.; 3 inch pots—6 to 8 inches high—50 cts.

Japonica Aurea. ("Golden Leaf"). Identical with above, except the dominant note of color is golden yellow, an unusual effect among hard foliage plants. 2½ inch pot plants, 25 cts. each; 3 inch pot plants, 50 cts. each



Boston Fern



Verona

FERNS

No foliage plant that grows presents so many varied charms, or is so practical for all general house, table, floral or window decorations as the Fern. Most varieties love the sun, and thrive to best advantage if located near the sunniest window, occasionally turned, and given a dutiful attention to watering.

NEPHROLEPIS

Bostoniensis. (Boston Fern.) Every recent year brings forth a new-named fern; yet nearly all are derivations from this "Boston" Fern, and the parent type is still as beautiful, useful and popular as ever. Fully matured fronds attain a length of 3 to 4 feet. 2½ inch pots, 20 cts. **By express:** 5 inch pots, \$1.00 each. 6 inch pots, \$1.50 each; 8 inch pots, \$3.00 each.

Dwarf Boston or Baltimore Fern.

A very rugged, substantial, compact and shapely pot fern; with typical Boston foliage except the fronds are short and undrooping like Teddy Jr. 2½ inch pots, 20 cts. **By express:** 4 inch pots, \$1.00; 5 inch pots, \$1.50.

McCawii. A development from Teddy Jr., not quite so dwarf in growth, but equally compact with pinnae more minutely and uniformly ruffled. 2½ inch pot plants, 25 cts. **By express,** 5 inch pots, \$1.00.

Scholzeli. (The Plumed Scott Fern.) Short bushy, compact growth combined with a delicate fluffiness of foliage. Even very small plants are models of beauty for table decoration. 2½ inch pots, 25 cts.; 4 inch pots, 75 cts. **By express:** 4 inch pots, 60 cts.; 5 inch pots, \$1.00.

"Teddy Jr." A dwarf, compact grower, with substantial crinkly fronds which are self-supporting specimens, even in medium size plants. 2½ inch pots, 20 cts.; 4 inch pots, 60 cts. **By express,** 4 inch pots, 50 cts. each.

Verona. A handsome new variety with fine "Ostrich Plume" foliage, but with a stiff mid rib, which makes the fronds stand up better than most varieties of the lace-ferns. 2½ inch pots, 25 cts. 4 inch pots, 60 cts. each.

MISCELLANEOUS FERNS

Adiantum Cuneatum. The well-known Maiden Hair Fern, indispensable in the making up of floral pieces and winter bouquets; as showy and useful for pot specimens after attaining sufficient size, as the various varieties of Nephrolepis. 2½ inch pots, 25 cts.; 4 inch pots, 50 cts.

Selaginella Emiliana. (Moss Fern.) A good associate with Asparagus or Maiden Hair for table and house decorating in larger sized pots. Very dwarf and compact, its dense, tiny leaves forming a moss-like carpet. 20 cts. each; 3 for 50 cts.

Selaginella Denticulata. A low-growing, drooping variety, forming a ball of bright green. 20 cts. each; 3 for 50 cts.

SMALL FERNS FOR DISHES

These charming little ferns are each of distinct form, presenting various shades of green and silver variegation, especially adapted to use in table jardinières, and indispensable for all inside "ferny" effects.

Aspidium Tsussimense. Dwarf and compact plant, short tri-pinnate leaves of the darkest green.

Cyrtomium Falcatum. (Holly Fern.) Broad, halbert-shaped leaves of waxy green; always shiny.

Cyrtomium Rochfordianum (Crested Holly Fern.) Broad, deep, glossy green leaves, beautifully undulated and serrated like real holly.

Pteris Adiantoides. Good sized leaves in perfect triangle shape; dark green with distinct fine veins.

Pteris Cretica Albo-Lineata. A handsome dwarf-growing fern, deep green, striped white.

Pteris Magnifica. Long, wide spread leaves occasionally crested, bright green.

Pteris Mayii. Dwarf variegated sort, prettily crested.

Pteris Serrulata. All green, slim and branchy.

Pteris Wilsoni. One of the finest of all the dish ferns. 20 cts. each; 3 for 50 cts.; \$1.65 per dozen.

FERN DISH COLLECTION

We will mail 6 plants in 6 varieties of our choice for 85 cts.

**Ficus Elastica**

FICUS—The Rubber Plants

Elastica. (India Rubber Tree.) This is the old reliable thick leaved, substantial house plant which has ever patiently served its purpose, under abuse and neglect; its dark green, shiny foliage always handsome. By express, 5 inch pots—20 inches high, \$1.25.

Pandurata. (Majestic Rubber Plant.) The odd leaves are guitar-shaped with the larger end out, stiffly uprising from the central stalk. They are very thick and rubbery, ten inches wide by fifteen inches long; dark green, with creamy white veins, which on the underside are purple and boldly projecting. The sizes we offer are fine specimens, by express, 18 to 20 inches high, \$2.50.

Repens. A small shiny leaved creeping or trailing vine of moderate growth, useful and ornamental for covering stone or wooden conservatory walls. 2½ inch pots, 25 cts. each; \$2.50 per dozen. 4 inch pots, 50 cts. each; \$5.00 per dozen.

FUCHSIAS

Highly prized for winter blooming, also popular for summer beds in partially shaded situations and make excellent color-spots in porch boxes and baskets.

Avalanche. Golden green foliage and large double flowers with dark purple corolla.

Black Prince. Well expanded single flowers of carmine-lake; color of calyx and corolla nearly uniform.

Little Beauty. Dwarf growing. A most free-blooming variety, seldom without flowers. Sepals carmine, corolla deep lilac. Single. 25 cts. each.

Lord Byron. A strikingly handsome variety, with calyx of cochineal red, and large, single corolla of deepest violet. 25 cts. each.

Mrs. E. G. Hill. Sepals bright crimson with large pure white corolla. Perfectly double and very free.

Speciosa. A thrifty grower with ornamental foliage; the green leaves showing red veins at the base. Flowers single with pale carmine sepals and deep scarlet corolla.

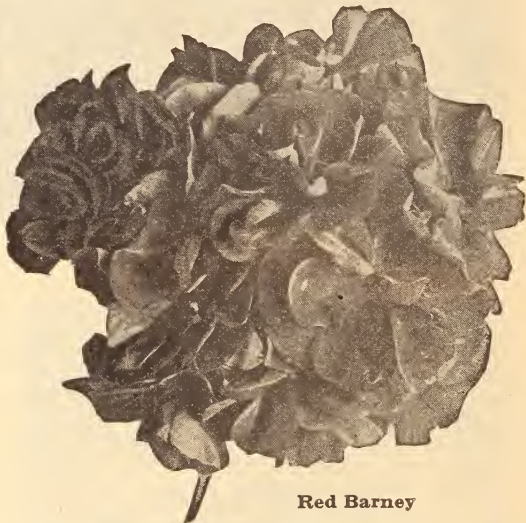
Unless noted, 20 cts. each; \$2.00 per dozen.

GENISTA RACEMOSA

Round, dense foliage. Flowers are very small, pea shaped, borne in close racemes. When in full bloom the entire plant is a solid ball of the brightest yellow, emitting a delicious lemon fragrance. Very popular for Easter decorations and will continue in bloom about four weeks. 2½ inch pot plants, 20 cts. each. By express, 5 inch pot plants, 75 cts. each.

GERANIUMS

Geraniums are being crowded out of their erstwhile prominence as main beds for the lawn, but can never be supplanted in box or basket, cemetery or public grounds.

**Red Barney**

Double flowered unless noted. **From 2½ inch pots.**
Alphonse Ricard. Bright orange red.

Beauty Poitevine. (Single.) Rosy salmon, nicely shaded and tinted from deep orange to pure salmon.

Jean Viaud. Immense trusses; beautiful clear, rosy pink with distinct white blotch at center.

La Favorite. Very large trusses; snow-white.

Mad. Barney. A splendid bedding variety; extremely large, double flowers of brilliant rose.

Mrs. Lawrence. A dwarf, compact grower equally valuable as a bedder or for winter pot-blooming; bright salmon-pink, slightly tinged white.

Red Mad. Barney. Of all red Geraniums old or new, this new

variety stands out in bold relief. It has the broad, velvety, distinct foliage and vigorous habit of Mad. Barney; likewise its full, round truss and double petalage. A clearer and more brilliant red than the crimson depths of S. A. Nutt; with more fire than the familiar scarlets of the past. An incessant, extravagant bloomer, sun-resisting and long keeping, on long stems. 20 cts.; \$2.00 dozen.

S. A. Nutt. Always dependable for a constant blaze of crimson from May until snowfall.

Unless noted, 15 cts. each; \$1.50 per dozen.

FANCY LEAVED GERANIUMS

Mad. Salleri. A very compact variety, fine for bordering. A thrifty healthy grower, rarely reaching a height of more than six inches; leaves very small, a peculiar clear green, edged with pure white.

Rose Scented. Broad, deeply indented leaves.

Variegated Ivy Leaved. (L'Elegante.) Thrifty trailing growth; shiny leaves heavily edged and overlaid silver. 35 cts. each; \$3.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.

GLADIOLI

THIS CLASS of summer-flowering bulbs is doubly valuable for the field show of bloom, and for its cut-flowers. Gladiolus flowers last longer when cut than most any others, and open up best in water. Bulbs should be planted between April and May throughout the Northern States followed by a second planting after two or three weeks for succession. Set bulbs 2 to 4 inches deep and 2 inches apart in the drills, single rows 12 inches, and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart each way.

100 rate by express ; for mail, add 25 cts. per 100.

**Orange
Glory**



RUFFLED GLORY GLADS

A distinct and valuable class; embracing some of the very finest of recent novelties. Their originator, Mr. Kunderd, worked not only towards large size and strong color markings, but particularly for the beautiful ruffled or fluted petals which are their principal distinguishing features.

RUFFLED GLORY SET

By mail,
1 each of the
12 varieties
for...\$2.25
1 Doz. each
for...\$22.00



Remembrance

E. J. Shaylor. A beautiful pure deep rose pink recognized even in Europe by certificates of merit. Plant strong and flowers large...

Golden Glory Heavily ruffled; rich golden yellow with a brilliant ruby blotch on each of the lower petals.

Helen Franklyn Large and numerous flowers, the lower petals deeply ruffled. Pure white, with violet stripes.

Joe Coleman. Beautifully ruffled, a strong grower, with many flowers open at a time. Vivid cardinal red brightened by crimson and enriched with maroon.

Louise. Distinct and showy, often used by florists in substitution for the larger orchids. A beautiful orchid shade of lavender, with an enriching blotch of velvet red towards center.

Mona Lisa Broad, prettily ruffled flowers; an exquisite suffusion of white and lilac in varying proportions, the deep throat showing a flash of cream and rose.

Nora. Strong growth, and large flowers of duguesclin blue with grayish throat and flaky lavender edge, an amaranth purple stripe on lower petals.

Orange Glory. Strong orange color, slightly weakening in the throat.

Purple Glory. Largest of the class, deeply ruffled, darkly gleaming; maroon-red its velvet richness heightened by almost black throat blotches. Stock is scarce.

Remembrance. Tall spike, many large flowers open at one time. Deep salmon rose pink, throat heavily zoned.

Rose Glory. A beautiful shade of rose pink deeping into the throat.

White Glory. Pure, waxy white, with interior markings of iris-blue.

Each	Doz.	Per 100
\$0.15	\$ 1.50	\$10.00
.20	2.00	15.00
.10	1.00	7.50
.15	1.50	10.00
.15	1.50	10.00
.20	2.00	15.00
.20	2.00	15.00
.20	2.00	15.00
.40	4.00	.....
.25	2.50	18.00
.20	2.00	15.00
.20	2.00	15.00



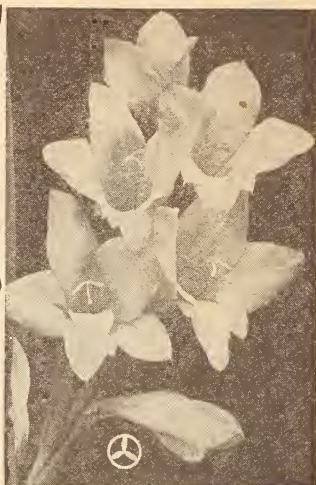
E. J. Shaylor



America



Halley

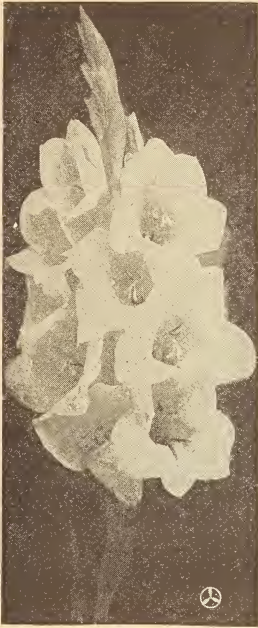


Peace

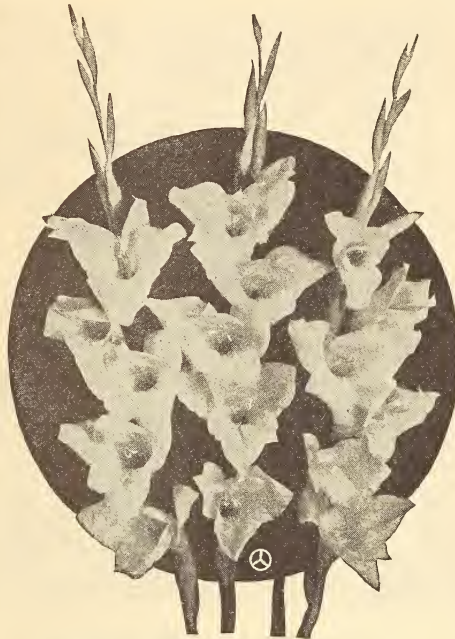
GENERAL COLLECTION OF CHOICE NAMED GLADIOLI

Rate per 100 by express only. Add 25 cts. per 100 if ordered by mail.

	Each	Doz.	100		Each	Doz.	100
Al Shira. Rich velvety surface; violaceous garnet, roseate in throat, brindled heavily with maroon....	\$0.25	\$2.50	\$18.00	Herada. Pure mauve, deeper shadings in throat and lower petals..	\$0.10	\$1.00	\$ 7.50
Alice Tiplady. (<i>Primulinus</i>) Orange saffron; flowers unusually large for the class, and beautifully ruffled.....	.08	.75	5.00	Ida Van. Flaming orange pink..	.08	.75	5.00
America. Beautiful, soft flesh-pink faintly tinged with lavender....	.06	.60	4.00	Le Marechal Foch. One of the earliest, contemporary with Halley; twice the size of America; a beautiful shade of pink.....	.10	1.00	7.50
Baron Hulot. Rich, deep indigo blue; a fine medium flower....	.15	1.50	10.00	L'Immaculee. Pure white; long, slender spikes of a dozen or more	.10	1.00	7.50
Bertrex. Slightly blushed white with rosalene purple blotch on lower petals; many open flowers at a time. Strong, straight spikes	.20	2.00	14.00	Lustre. Tall; vermilion-crimson. Wide open, numerous flowers, one of the showiest solid reds...	.30	3.00	20.00
Early Sunrise. 4½ feet high—with full heads of mammoth flowers from 4 to 6 inches across. Color is bright flamy red with a faint orange coating. Very early	.15	1.50	10.00	Maidens Blush. (<i>Primulinus</i>). Enchantress pink; earliest of all.	.10	1.00	7.50
Empress of India. A glorious rich dark mahogany red uniquely veined.....	.20	2.00	14.00	Mrs. Dr. Norton. Immense flower, creamy white overlaid or tinted soft pink, end of petals showing a charming picotee of deeper pink.	.15	1.50	10.00
Evelyn Kirtland. Tall and stately; rosy pink, darker at edges dimming to shell-pink at center; brilliant scarlet blotches on lower	.10	1.00	7.50	Mrs. Francis King. A fine strong growing variety with large spikes of bright, pure scarlet flowers..	.08	.75	5.00
Flora. Clear canary yellow with no markings. Larger than Schwaben; early, and long-stemmed.....	.20	2.00	14.00	Mrs. Frank Pendleton, Jr. Large and well expended, of a lovely flushed salmon-pink, with blood-red blotches in the throat.....	.08	.75	5.00
Glory of Holland. A reliable white, slightly flushed with pink	.20	2.00	14.00	Mrs. Watt. The dark color is a rich unmixed velvety wine-color..	.10	1.00	7.50
Golden Measure. A new variety of large size opening up wide and simultaneously, the color a strong corn yellow. One of the best yellows yet introduced....	.30	3.00	20.00	Mrs. William Kent. Shrimp pink with rosy edge, the throat straw color mottled by ruby spots. Full, shapely flowers of even bloom.....	.15	1.50	10.00
Gretchen Zang. Soft pink merging into scarlet on lower petals..	.10	1.00	7.50	Neoga. Dark garnet red, with even deeper shadows in the throat. Half ruffled.....	.15	1.50	10.00
Halley. Delicate salmon-pink, the lower petals showing a creamy blotch bisected by a red stripe.	.08	.75	5.00	Panama. A new America, more deeply pink and a trifle larger..	.08	.75	5.00
One of the earliest to bloom..				Peace. A robust grower reaching 5 feet in height, with a correspondingly long flowerspike; pure white with faint lilac markings..	.08	.75	5.00
				Pink Perfection. Dainty, large flowers of apple blossom pink..	.10	1.00	7.50
				Red Wing. A fine, long-stemmed cut flower of medium size; brilliant scarlet.....	.15	1.50	10.00



Schwaben



Maiden's Blush (Primulinus) P. 78



War

NAMED GLADS.—Cont.

Rose 1910. Extra large, a very fine shade of rose-pink; lower petals lined white, through center.

Rose Pearl. A nearly white sport from Halley; equally early but daintily pearl pink in color.

Scarlet Wonder. One of Cowee's masterpieces; a mammoth flower and spike, on extra long stems, the color a vivid scarlet.

Schwaben. Pure canary yellow shaded sulphur, the golden yellow throat slightly blotched dull carmine. Tall, strong, well set.

Souvenir. A new, large flowered primulinus of splendid form and habit; the color a rich, unmixed golden yellow.

Vesta Tilly. Delicate blush pink with a striking violet blotch in throat; flowers quite large.

Virginia. (Scarlet Princeps). A beautiful soft raspberry red, clearing up to begonia red in the throat. A charming self color.

War. Flowers extremely large, plentiful, best of the late reds.

White King. Usually ruffled petals, sulphur white with central markings of purplish rose.

Wilbrink. Very early light pink.

Each	Doz.	100
\$0.15	\$1.50	\$10.00
.15	1.50	10.00
.30	3.00	.....
.08	.75	5.00
.10	1.00	7.50
.15	1.50	10.00
.15	1.50	10.00
.15	1.50	10.00
.10	1.00	7.50

**S. & H. "OLD GLORY" MIXTURE****Of Large Flowered Gladioli**

A deliberately planned assembly of new and standard varieties, calculated to maintain the reputation of this our own choice mixture.

By Mail, 60 cts. per dozen; \$4.50 per 100.

By Express, 50 cts. per dozen; \$4.00 per 100; \$35.00 per 1000.

GLOXINIAS**KUNDERD'S GLORY MIXTURE**

A splendid mixture of large flowering Gladioli selected from A. E. Kunderd's well known strains including some of his choice "ruffled" varieties. This is surely an attractive bargain. **By mail** 75 cts. per dozen; \$5.00 per 100. **By express,** 60 cts. per doz; \$4.50 per 100; \$40.00 per 1000.

The Gloxinia has handsome large, round, hairy leaves and quantities of big flowers. Give rich, light soil and partial shade, until well started into growth; in watering, do not wet the leaves. When through blooming, store in any dry, warm place for re-potting next season. **Scarlet, Scarlet Bordered, Purple and Purple Bordered,**—35 cts. each; \$3.50 per dozen.



A Florist's Exhibition Bench of Four Distinct Hydrangeas

HYDRANGEAS

HYDRANGEA HORTENSIS

Not hardy in the Northern states, and should be brought into the house before freezing fall weather. A cool, light cellar location is preferable with occasional watering, but keep them dormant even if a cooler temperature is found necessary. Early in spring bring up and apply water liberally. When in full bloom, keep slightly shaded to lengthen the blooming period. A soil composition of turfy loam and one-third rotted cow manure is best for potting.

Otaska. The old favorite used in pots at Easter time, and for lawn decoration in summer. 20 cts. 4 inch pot plants 50 cts. each; 5 inch pot plants, 75 cts. each.

NEW DOUBLE FLOWERING HYDRANGEA

Domotoi. Although of quite recent introduction, this fine new double form of Otaska has proven itself as thrifty and dependable as Otaska. Each floret is markedly double, breaking up the usual smooth surface of the truss with delightful convolutions and the beautifying play of lights and shadows. 2½ inch pots, 30 cts. each; \$3.00 per dozen. 4 inch pots, 75 cts. each; \$8.00 per dozen.

NEW GERMAN HYDRANGEAS

We must thank the German producers for a number of fine new varieties in the large paniced exhibition hydrangeas, which not only preserve and improve all the good features of the French section, but add greatly to the scope of that list by development of distinct red shades heretofore ineffectual. The six new sorts following are a selection from their latest novelties.

ELMAR. Crimson rose.

GUDRON. Brilliant, clear rose.

HELGE. Bright red.

LANZELOT. Dark carmine red.

LORELY. Reddish carmine.

PAROIVAL. Blood-red.

2½ inch pot plants, 40 cts. each; \$4.00 per doz.

FRENCH HYDRANGEAS

These plants will be practically dormant when shipped, but as soon as the new leaves begin to break, they will require as much sunlight as possible, plenty of water, and must not be allowed to dry out. They will bloom luxuriantly for about six weeks in early spring.

Baby Bimbenet. Very dwarf, early and free; distinct from others in that each and every shoot produces flowers. Large, compact trusses of silvery rose.

Lieut. Chaure. Good sized light pink. Is proving very successful as a practical forcing variety. 25 cts. each; \$2.50 per dozen.

Lilie Mouillere. Beautiful carmine rose. 25 cts. each.

Mad. Emile Mouillere. One of the very best; with immense trusses of florets frequently over two inches in diameter. Pure white, with rosy carmine eye.

Mad. Legou. Large, creamy white.

Mad. Maurice Hamar. A pleasing shade of delicate flesh-pink.

Mlle. Renee Gaillard. Beautifully fringed petals in full panicles of milk white enriched by occasional tints of cream.

President Fallieres. Very delicate rose. 25 cts. each; \$2.50 per dozen.

Souv. de Mad. Chautard. Shapely plants of robust habit, bearing medium size, but extremely pretty flowers of bright rose, with a decided tendency to blue with age. 25 cts. each.

Trophee. Vigorous growth, great freedom of bloom. This is the darkest carmine red of any variety in use before introduction of our new German line. 25 cts. each.

Vice President Truffault. Pretty fringed petals of delicate pink. 25 cts. each.

Vicomtesse de Vibraye. A favorite early forcing sort, bright rose, changing to blue.

ALL ABOVE, UNLESS NOTED,

2½ inch pot plants, by mail, 20 cts. each.

3 inch pot plants, by express, \$1.00 each.

HELIOTROPE

This altogether delightful old plant has ever been a great favorite among those who enjoy and appreciate garden perfumes, and flowers of dainty type.

Centefleur. Dwarf growing with fine, neat foliage. Flowers are deliciously fragrant, florets wide and flat, color deep true heliotrope, with conspicuous white eye. Sprays are of the largest size, completely covering the plant. 25 cts. each; \$2.50 per dozen.

Florence Nightingale. Bright lavender.

Snow Wreath. Blooms in large trusses of clean white flowers. This has perhaps the sweetest perfume of any, and mixes prettily with the blues.

Unless noted, 20 cts. each; \$2.00 per dozen.



Heliotrope

HIBISCUS SINENSIS

Strong growing tropical plants with handsome glossy foliage and large, brilliant, showy flowers. In a warm sunny window they make fine decorative plants and bloom profusely. In open ground during summer they make a gorgeous display with bright colored flowers.

Cooperi Tricolor. Shrubby upright growth with drooping leaves of irregular outline, in sizes graduating according to their age. Their color is one of the best examples of variegated foliage to be found among the house plants, a capricious splaturation of greens, pinks and white. 2½ inch pot plants, 30 cents each; \$3.00 per dozen.

Colleri. Rich buff with distinct crimson throat markings. 20 cts.

Mineatus Semi-Plenus. Half double, prettily ruffled flowers; light vermilion scarlet. 20 cts. each.



Peachblow

Peachblow. Flowers double; of a rich shade of clear pink, with small, deep crimson center; most beautiful shading; four to five inches in diameter. Blooms freely even on small plants. 25 cts.; \$2.50 per dozen. 2 yr. old from 4 inch pots, 60 cts. each.

Red Peachblow. The usual fully double petalage of the type, but strongly colored with red, a violaceous overcast making it very attractive. 30 cts.; \$3.00 per dozen.

Sub-Vir-aceous. Branchy growth; with large, mainly single flowers of light crimson. 25 cts.

IPOMEA GRANDIFLORA

Moon Flower

A popular rapid climber. Satiny white flowers, five to six inches in diameter, borne abundantly throughout a long season, opening at sundown, emitting a rich Jessamine odor at night, and closing about noon next day. 20 cts. each; \$2.00 per dozen.

ENGLISH IVY



Hedera Helix. Foliage is rich waxy green with prominent lighter veins and is very attractive. If planted outdoors, the vines must be taken down and carefully covered for winter, in this northern latitude. Mixed with Asparagus and Vinca Major for the trailing effects in our summer porch boxes and urns, and at base of cemetery monuments, where care is assured. 2½ inch pots, 20 cts.; \$1.85 per dozen. 4 inch pots, tops 2 feet long, 35 cts.; by express, \$3.50 per dozen.

JASMINE

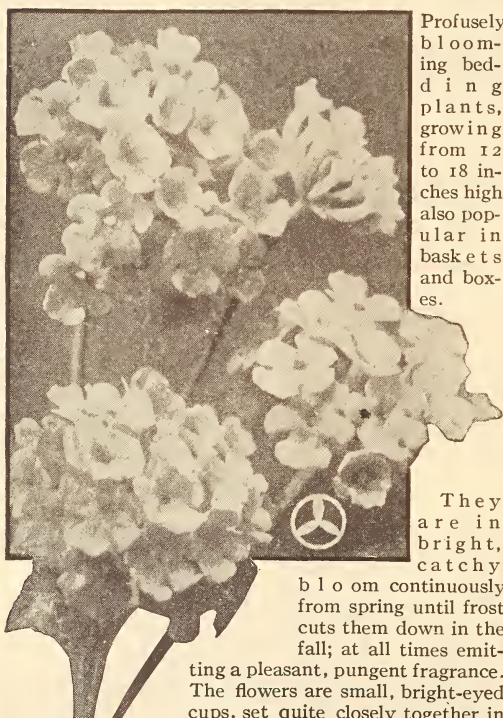
Cape Jessamine. (Gardenia Florida.) A beautiful evergreen shrub 2 to 4 feet high, with small, solitary, star-shaped flowers of delightful fragrance; very popular in Southern gardens. Not hardy north of the Ohio river, but of value as a house or conservatory plant. 30 cts.; \$3.00 per dozen.

Grandiflorum. (Spanish or Star Jasmine.) Grows nearly erect, with angular, drooping branches. Abundant fragrant, starry bloom, throughout the winter, as well as during its summer stay in the garden. 20 cts.; \$2.00 per dozen.

Grand Duke. A full double-flowered type of the Arabian Jasmine, exquisitely scented and of beautiful form for use as men's boutonnières. This variety is practically everblooming, being particularly free in frostless countries where it can stand outdoors. 25 cts.

Nudiflorum. A winter blooming shrubby vine, quite twiggy, with small leaves and solitary yellow flowers. 25 cts. each; \$2.50 per dozen.

LANTANAS



Profusely blooming bedding plants, growing from 12 to 18 inches high, also popular in baskets and boxes.

They are in bright, catchy

blooms continuously from spring until frost cuts them down in the fall; at all times emitting a pleasant, pungent fragrance.

The flowers are small, bright-eyed cups, set quite closely together in

rounded umbels two to four inches across. Their colors run to brilliancy, and unite two or more contrasting but harmonious shades.

Aurora. Large flowered; dark and light shades of pink with yellow center.

Countess de Biencourt. Brilliant rose-pink surrounding a center of creamy yellow.

Craigi. Dark, cardinal-red velvet, its center studded with gold; extremely florescent.

Harkett's Perfection. Golden variegated foliage; flowers yellow and pink.

Iolande. An especially good dwarf variety; a showy commingling of crimson, orange and yellow.

Jacob Schultz. Rich, velvety crimson-wine; with a varying center of blood orange; the darkest and showiest sort. Especially noticeable and pleasing in generous beds.



Weeping Lantana.

A fine plant for winter flowering in pots or small summer hanging baskets. Flowers delicate rose lilac in compact umbels, borne freely all over the plant from the base of each leaf stalk. Its long, drooping flower laden sprays are unique among summer plants.

All Lantanas 20 cts. each; \$2.00 per dozen.

By express, \$14.00 per 100.

LILY OF THE VALLEY



The Lily of the Valley will thrive and throw up its beautiful, modest, fragrant white bells in any kind of soil. It will make a carpet of refreshing green, daintily patterned by its pervading flower sprays, in those shady and cold spaces otherwise lost to ornamentation around every house and in the little nooks and angles too small for coarser and more ambitious plants. The bloom occurs in late spring and early summer.

Large Pips. 50 cts. per dozen; \$3.50 per 100; \$30.00 per 1000.



Longiflorum



Auratum



Speciosum Rubrum

LILIES

Stateliest and most aristocratic of all garden plants. Being hardy, the list of Lilies ordinarily run with the other hardy perennials; but being supplied as bulbs, they might be overlooked if not offered near-by the other Spring bulbs—such as Dahlias, Gladioli, etc.

Auratum. (Gold Banded Japan Lily.) Flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon, with a wide gold band down the center of each petal. Improves with age. 30 cts. each; \$3.00 per dozen. Extra large, 40 cts. each; \$4.25 per dozen.

Batemanni. (Turk's Cap.) A strong, handsome type. Grows 3 to 4 feet tall, with from five to ten flowers in July-August. Color reddish orange, stained apricot. 30 cts. each; \$3.00 per dozen.

Elegans Mixed. Stems 1½ feet high. The dominant color is orange red, but our mixture shows considerable variety as to shades and spotting. 25 cts. each; \$2.50 per dozen.

Henryi. (Yellow Speciosum.) One of the finest hardy Lilies, of strong, vigorous growth, with flower stalks 3 to 5 feet long; deep apricot-yellow, lightly spotted brown. 60 cts.; \$6.50 per dozen.

Krameri. Beautiful trumpet shaded flowers, exceedingly fragrant; blush pink. A very dainty and pleasing variety. 60 cts.; \$6.50 per dozen.

Longiflorum Giganteum. Snow-white trumpets during June and July, in great abundance. 30 cts. each; \$3.00 per dozen.

Extra large, 50 cts. each; \$5.00 per dozen.

The Regal Lily. (Lilium Regale.) A commercial forcing

type, of recent introduction from China. The exquisitely perfumed flowers are white, slightly suffused with pink; with a beautiful glow of canary yellow at center, which continues part way up the trumpet. In the garden it commences to bloom in June, with the main crop in July. Hardier than most kinds. **First size**, 2 yr. flowering bulbs 4 to 5 inch circumference, 35 cts. each; \$3.50 per dozen. **Extra large**, strong 3 year, 6 to 7 inch circumference, 50 cents each; \$5.00 per dozen.

Rubellum. Very pretty dwarf bedder; blooms early and liberally, with charming rose pink flowers about 3 inches long. 40 cts. each; \$4.25 per dozen.

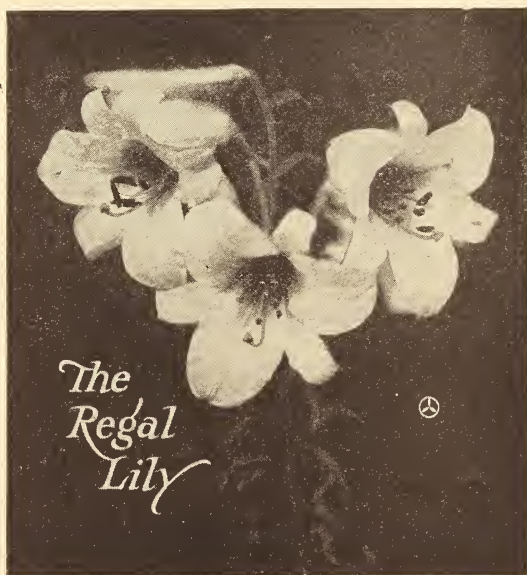
Speciosum Album. Pure white with a green band traversing the center of each petal. 35 cts. each; \$3.50 per dozen; \$25.00 per 100, by express.

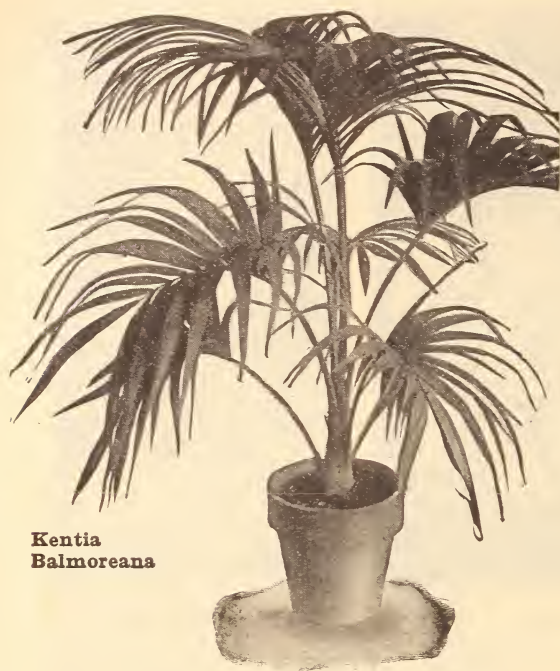
Speciosum Rubrum. This is one of the joys of August; ruby spots distributed over a broad expanse of white. 25 cts.; \$2.50 per dozen; \$20.00 per 100.

Superbum. Runs from 3 to 6 feet in height, its nodding crests adding to the general brilliance of July, with from five to forty handsome orange-red blooms. 20 cts. each; \$2.00 per dozen; \$15.00 per 100, by express.

Tigrinum Splendens. The dear old single "Tiger Lily." 20 cts. each; \$2.00 per dozen.

Tigrinum fl. pl. (Double Tiger Lily). The same rich orange and black, but doubled petalage. 20 cts. each.





**Kentia
Balmoreana**

PALMS

Water the soil not oftener than three times, nor less than once a week. These varieties offered can best stand the hard usage to which house plants are normally subjected. *Height given means from top of pot.*

Kentia Balmoreana. Gracefully arching stems of steely strength despite their slenderness, each crowned with a fan-like canopy of richest green. $2\frac{1}{2}$ inch pot plants 25 cts.; 3 inch pot plants, 10 in. high, 50 cts. **By Express:** 4 inch pots, 12 to 15 inches high, \$1.00; 5 inch pots, 15 to 20 inches high, \$2.50.

Kentia Forsteriana. Of the same type and qualities as Balmoreana, equally desirable; the main difference being this variety grows taller, and has somewhat broader, heavier leaves. $2\frac{1}{2}$ inch pots, 25 cts.; 3 inch pots, 10 inches high, 50 cts.

By Express: 4 inch pots, 15 to 18 inches high, \$1.00. 5 inch pots, 18 to 24 inches high, \$2.50. 8 inch pots, 48 to 52 inches high, 5 to 7 leaves, \$15.00 each.

Special Sizes: Made-up, bushy plants. Each

7 inch	Tubs—30 to 32 inches high.....	\$ 7.00
7 "	" —34 to 36 " "	9.00
8 "	" —38 to 42 " "	12.00
10 "	" —44 to 48 " "	16.00
10 "	" —50 to 54 " "	20.00

Latania Borbonica. (Fan Palm.) A beautiful Palm, with massive deeply divided, fan-shaped leaves. In the larger sizes, where the broad leaflets are united to make an almost solid base, this type is even more picturesque and tropical in expression than the narrower leaved Kentias. 3 inch pot plants, 50 cts.; 4 inch pot plants, \$1.00 each.

Phoenix Roebelenii. A very graceful, dainty Palm as light and feathery as a Cocos, but as hardy as a Kentia. $2\frac{1}{2}$ inch pot plants, 35 cts. each, \$3.50 per dozen. **By Express:** 4 inch pot plants, 8 to 10 inches high, \$1.25; 5 inch pot plants, 12 inches high, \$2.00 each.

PANDANUS VEITCHI

Graceful curved foliage, light green striped with broad bands of pure white. An attractive decorative plant that stands ordinary house culture well and is always fresh and bright. Large plants by express: From 4 inch pots, \$1.00; from 5 inch pots, \$1.50.

PELARGONIUMS

(Lady Washington Geraniums)

A valuable class of house and garden plants resembling Geraniums; reveling in hot sun light, withstanding temperature and glare that would shrivel other flowers. All they ask is plenty of water. They do not grow as dense or compact as Geraniums, consequently it is advisable to pinch back the long shoots once or twice prior to their blooming season in April, thus ensuring a nicely rounded, bushy shape.

Escot. Very large white flowers with crimson blotches on upper petals and small spots on lower; most popular sort for "Mother's Day."

Dorothy. Flowers large; rosy salmon with dark maroon blotch on upper petals, richly shaded plum color around the throat. 30 cts.; \$3.00 per dozen.

Gardeners' Joy. Largest flower clusters of any kind. The ground color is apple-blossom pink, the two upper petals heavily blotched with brown.

Montebello. Dwarf, stocky; extra free bloom; medium sized flowers in compact trusses. Soft pink, with white center.

Mrs. E. H. Childs. Deep rosy pink flowers in moderation; very attractive foliage and shape.

Mrs. Loyal. (The genuine "Pansy Geranium.") Rounded, satiny, exquisitely marked and colored. Its colors range from a large crimsoned chocolate center through pink to white at the edges. Growth characterized by compactness and sturdiness.

Wurtembergia. Medium sized florets; bright carmine with large velvety, sharply defined blotches.

Unless noted, 25 cts.; 3 for 65 cts.; \$2.25 per doz.



Escot



PETUNIAS

DOUBLE FLOWERED

We are listing five distinct color types which are almost perfect balls of wrinkled petalage. They furnish an unlimited amount of bloom throughout the summer, fragrant and dainty and altogether delightful. This double flowered class will profit wonderfully from extra soil enrichment, frequent cultivation and plenty of water; they are worth extra attention.

In separate colors: **Red, Pink, Purple, White and Variegated.**

SINGLE FLOWERED

Giant Ruffled. Flowers beautifully ruffled and fringed; colors rich and gorgeous, with deep throats of various shades. Fine single mixed.

Rosy Morn. Of compact, bushy growth, fifteen inches in height, covered the entire season with one and one-half inch flowers. Throat silvery-white, outer edge heavily shaded soft rose-pink.

Triumph. A splendid new large flowering single variety of uniform growth and general superiority as a mass bedder. It is beautifully ruffled, and very conspicuous in its clear, bright cerise-pink color.

20 cts.; \$2.00 dozen. By express, \$14.00 per 100.

PLUMBAGO

Shrubby plants which make good house specimens in pots or tubs, usually put out in the garden for summer rejuvenation and bloom. Being tough and thrifty, with care they may last several years and become bushy specimens of considerable size.

Capensis. Free blooming in loose umbels, florets phlox-like with long slender tubes; sky blue. 20 cts.

Capensis Alba. Flowers creamy white. 20 cts. each; \$2.00 per dozen.

Coccinea Superba. Differing from the Capensis type in having much larger foliage which is dark, shiny green, wide, long, dense and gracefully recurving. Also, the flowers are borne in very long, slender, mostly upright racemes, the red buds close-set with only a few scattered wide open flowers at a time. The color is waxy, bright coral red. 35 cts. each; \$3.50 per dozen.

PRIMULA (Primrose)

Malacoides. A vigorous type of the "Baby Primrose." Very useful for table decoration, and to furnish cut flowers for delicate bouquets. Blooms practically all the year with good sized trusses of dainty little rose lilac flowers. 20 cts. each; \$2.00 per dozen.

SALVIA (Scarlet Sage)



The showiest, cheapest and most practical red obtainable, for summer beds and borders.

America. Finest and showiest of all the Salvias; the earliest, freest and most continuous bloomer. Plants grow about 15 inches high, precisely uniform, richly green; above which blaze the immense compact spikes of scarlet flowers to a maximum height of 2 feet.

Splendens. Long spikes of dazzling scarlet flowers remaining in bloom until cut down by frost.

15 cts.; \$1.25 per doz. By express, \$7.00 per 100.

Pink Salvia. Very pretty garden effects may be obtained from use of this novelty, which is bushily compact, with full spikes of rich salmon pink. 20 cts. each; \$2.00 per dozen.

White Salvia. Equal in size and quality to any previous sort, in color a clear cream white. 20 cts. each; \$2.00 per dozen.

SANCHEZIA NOBILIS VARIEGATA

A showy warmhouse foliage plant, with smooth oblong lanceolate leaves three to nine inches long. These are plentiful, on dark red stems. The oldest leaves are very dark green, slightly toothed, the midrib purplish red confined by white gold which also more or less defines the parallel veins. The younger leaves are much lighter toned in varying degree, the foggy outlines of the veins prominently distinct, and the markedly serrated edges red. Flowers are yellow in small terminal panicles. 25 cts. each; \$2.50 per dozen.



Strobilanthus



Tuberose (Page 87)



Thysacanthus

SANSEVIERIA ZEYLANICA



An ideal decorative plant; will stand more hardship and more abuse than any other house plant of which we know. Leaves thick and of leathery texture, not affected by gas, dust or heat. Grows to a length of three to four feet, and is beautifully striped crosswise of leaves with broad white variegations on a dark green ground. 25 cts. \$2.50 per dozen.

STROBILANTHUS DYERIANUS

An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush 18 inches high, with leaves six to nine inches long; of a beautiful metallic purple, shading into light rose, with a light green margin, a combination unapproached by any other plant. The flowers are violet blue, borne in immense racemes. 25 cts.; \$2.50 per dozen.

SWAINSONIA

Galegifolia Alba. A very popular ever-blooming house plant, blooming in sprays of 10 to 20 flowers shaped much like sweet peas. Its pure white flowers are used much in cut-flower work. 25 cts. each; \$2.50 dozen.

THYRSACANTHUS RUTILANS

(Fountain Plant)

A greenhouse plant of easy growth, and when in bloom a graceful shaped and vivid colored specimen for table decoration. Its short, tubular shaped flowers are a brilliant coppery carmine, borne profusely in pendant, close-set braids, 12 to 16 inches in length. This plant still enjoys an unabated popularity. 25 cts. each; 3 for 60 cts.

VINCA

Major Variegata. More of this used for baskets and vases than there is of any other two basket plants. Beautiful variegated green and white foliage; strong trailing habit of growth; the bright blue Myrtle flowers contrasting prettily against the creamy white pattern in the leaves. 15 cts.; \$1.25 per dozen. 4 inch pot plants, 30 cts.; by express, \$3.00 per dozen.

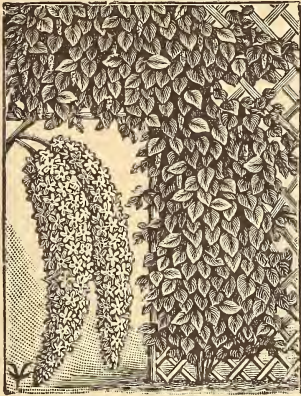
Periwinkle. Everblooming bedding plants growing to 12 or 15 inches in height; the flowers Phlox shaped in moderate terminal clusters. In separate colors, rose or white. 15 cts.; \$1.50 per dozen.

VIOLETS

Princess of Wales. Broad Pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff long stems. One of the most beautiful and free flowering Violets. 20 cts. each; \$2.00 per doz.

Frey's Fragrant. A thrifty, strong-growing, hardy violet with a great crop of large, single, exceedingly fragrant bloom. 25 cts. each; 3 for 60 cts.

CONDENSED LIST of BEDDING, BASKET and VASE PLANTS



Madeira Vine



Browalia



Maranta

PRICE: Unless noted, 20 cts.; \$2.00 per dozen.

Aloysia Citriodora. The well known "Lemon Verbena," noted for its delightful fragrance of foliage.

Browalia Speciosa. A conspicuous plant, with numerous single flowers of deep indigo blue, fully two inches in diameter, blooming continually. Equally for beds, pot plants, boxes and baskets.

Cestrum Parquii. (Night Blooming Jasmine.) Waxy dark green leaves and open panicles of tubular, creamy white flowers. Although inodorous during the day, they fill the garden with fragrance at night.

Clerodendron Balfour. A unique climbing plant of strong, rapid growth with shrubby stems and small, shiny leaves; suitable for trellis use either in the house or garden. A profuse bloomer, young plants a foot high often bearing several clusters of bright, scarlet flowers with creamy white calyx. 25 cts.

Cuphea Tricolor. (Cigar Plant.) A bushy bedding or basket plant about 15 inches high, bearing great numbers of narrow tubular flowers, bright scarlet, purple and white tips. 15 cts. each; \$1.25 per dozen.

Cyperus Alternifolius. (Umbrella Plant.) A semi-aquatic plant in water or damp soil; throwing up stems two to three feet high, surmounted at the top with a whorl of slender drooping leaves. The flowers are small, cream-colored, in terminal clusters.

Impatiens Sultana Hybrids. Seldom out of bloom, when at their best spangled with flat, single flowers, ranging from intense carmine-rose to white; against a rounded background of glossy green leaves. In separate colors, **Red, Pink, White, or Mixed.**

Parlor Ivy. *Senecio Mikanioides.* Used with striking effect to decorate interior walls, hanging baskets and urns. The foliage is a pretty, light bronze green with five to seven points; occasional yellow flowers in terminal clusters. 15 cts.; \$1.50 per dozen.

Madeira Vine. A beautiful rapid growing vine with dense foliage, fleshy, heart-shaped, light green. Numerous Mignonette-like feathery racemes of white flowers, which are pleasantly fragrant. Ordinarily hardy North if well protected by litter during the winter. Strong tubers, 15 cts. each; \$1.50 per dozen.

Manettia Vine. Completely filled at all times with small tubular flowers of brilliant scarlet, with yellow tips. Especially desirable for baskets, vases or small trellises, and much in use simply as pot plants on account of their fiery bloom.

Maranta Masangeana. Large, broad, light green leaves, distinctly mottled with heavy maroon spots. Used extensively in filling large fern dishes; or makes a very pretty effect when used with other plainer-leaved decorative plants.

Pansy Plants. Thrifty started plants already in bloom. Colors and markings are widely varied, and very beautiful. 50 cts. per dozen; \$3.50 per 100. By express, \$3.00 per 100; \$27.00 per 1000.

Tradescantia (Wandering Jew.) Beautiful trailing vines with thick, waxy, lance-shaped, brilliantly striped foliage; very useful in baskets and porch boxes. 15 cts. each; \$1.25 per dozen.

Tuberose, Excelsior Pearl. Fall flowering bulbs; long compact spikes of double, waxy white flowers, exquisitely perfumed. 3 for 25 cts.; 75 cts. per dozen. By express, \$5.00 per 100.

Verbena Plants. These are compact, showy flowering plants of considerable value for outlining beds, or as entire 15 to 18 inch high beds of solid or mixed colors. Beautiful, highly colored umbels borne very freely throughout the summer bedding season. Assorted colors in Purple, Scarlet, Pink and White. 15 cts.; \$1.25 per dozen. By express, \$7.00 per 100.

Water Hyacinths (Pondeteria.) Very interesting and beautiful, floats on the surface of the water and produces fine spikes of rosy lilac orchid-like flowers.

Water Lily (Nymphaea Odorata.) The well-known white fragrant Pond Lily. 25 cts. each; \$2.50 per doz.



Superb Giant Pansy

ROSES

AS LONG as the Rose exists it will retain its dominant grip upon the affections and appreciation of the human race. We have developed the Rose as one of our leading specialties, annually devoting to the propagation and nurture of strong, hardy types, from forty to sixty acres of the best rose soil out-doors.

Although the bulk of our Rose production is propagated and carried two years to maturity out of doors, we still maintain a **Pot-grown** section of considerable extent (see pages 102 and 103); among which may be found many of the novelties which have been under test before introduction into the Field-grown lists.

Complying with the often expressed wishes of many patrons, who desire their Rose bushes cut back properly, all ready to plant, we furnish all **Dormant Bush Roses to you, whether by mail of express, trimmed ready to plant.**

Planting. In preparing a Rose Bed, select a sunny location guarded from cold north winds, if possible. Dig out the beds to a depth of two or three feet; then refill to a level with the turf, with a mixture of soil and well rotted cow manure, making provision for good drainage if location is not naturally drained. Any good fertile soil will do, but part heavy clay is an advantage. Be very particular to press and tamp the soil firmly around the roots; and soak the bed thoroughly at the finish. The Everblooms may be set 15 to 18 inches apart, the Hybrid Perpetuals about 2 feet.

Protect for the Winter by covering bed at least 6 inches with leaves or manure; a binding surface of dirt, cornstalks or boughs on top. A convenient method is to confine this dressing by an enclosure of 12 inch chicken wire.

Pruning. The weak shoots and surplus wood are removed by us before sending stock out, so that what the customer gets is all ready to plant. Every Spring, usually the fore part of March, just before the leaf buds begin to swell, the winter covering should be gradually removed, and the bushes pruned.

Hybrid Perpetual Roses should be cut back, every shoot, to about 6 to 8 inches above the crown or that above the roots where the stem begins to branch. Teas and Hybrid Teas need not be cut back quite so hard; the Polyanthas not at all unless stems are too numerous.

The Rugosas are pruned merely to keep their growth within bounds and to remove dead wood; the Hardy Climbers are merely trimmed; and inasmuch as their bloom comes only on wood made the season before, the safest and most beneficial time for pruning is immediately after their blooming season and before they make new summer growth. Suckers from the Manetti stock should be cut off at once, and may be recognized by a difference in color and arrangement of seven leaves, instead of five, as in almost all varieties of Roses. Do not be afraid of the knife; the flowers will be larger and richer in color, and the bed more sightly.

THE S. & H. CO. "COVER COLLECTION" OF FIVE CHOICE ROSES

Tested kinds, recommended for hardiness, and continuous bloom in the temperate zone.

1. **Radiance.** (H. T.) Bright Pink. See description on P. 95.

2. **Wm. F. Dreer.** (H. T.) Gilded flesh pink. Description on page 95.

3. **Souv. de Claudius Pernet.** (Pernetiana). Sunflower yellow. See page 93.

4. **Red Radiance.** (H. T.) Brilliant crimson. Description on page 95.

5. **Mrs. W. C. Miller.** (H. T.) Salmon pink. Description on page 95.

The complete set of 5 varieties (1 of each,

By mail (postpaid), for \$4.75.

By express (not prepaid), for \$4.50.

"THE FAVORITE DOZEN"

COLLECTION OF H. T. ROSES

A dozen selected, reliable varieties in well balanced color distribution;—seven of which are elected by the American Rose Society's contest as among the 12 BEST Hybrid Teas.

COLUMBIA. Bright rose pink... Page 93

DOUBLE WHITE KILLARNEY... Page 94

DUCHESS OF WELLINGTON.

Orange pink... Page 93

GRUSS AN TEPLITZ. Crimson... Page 94

JKHR. J. L. MOCK. Cherry pink... Page 94

KAISERIN A. VICTORIA. White... Page 94

KILLARNEY. Mottled carmine pink Page 94

LAURENT CARLE. Velvety carmine Page 94

LOS ANGELES. Coral pink and gold. Page 94

MAD. CAROLINE TESTOUT.

Salmon rose... Page 95

MAD. EDOUARD HERRIOT.

Coppery terra cotta... Page 96

MRS. AARON WARD. Orange and

cream... Page 95

This complete collection of 12 (1 of each)—

By mail (postpaid), for \$10.00.

By express (not prepaid), for \$9.40.

"THE NOVELTY 6 SET"

OF CHOICE HYBRID TEA ROSES

Chosen for artistic association, from the newer introductions in this class by rose-growers the world over. Old enough to have earned highest rank and favor with the up-to-date rose fanciers, yet so new, they come to the average garden as real novelties, and provide a welcome change from the so well-known charms of older sorts.

BETTY UPRICHARD. Carmine

orange salmon... Page 90

EDEL. Full, rolling edged frost white. Page 90

ELVIRA ARAMAYO. Indian red... Page 90

MME. ALEXANDRE DREUX.

Golden yellow... Page 91

MRS. PRENTISS NICHOLS.

Deep pink... Page 91

TEMPLAR. Deep garnet red... Page 95

The complete set of six (1 of each)—

By mail (postpaid), for \$9.00.

By express (not prepaid), for \$8.50.

"THE ARBOR GROUP"

OF HARDY CLIMBING ROSES

A selection of six choice varieties covering the full range of color shades; adaptable to various uses. For pergolas, porch pillars, lattice screens, fence covering, staked-up dooryard bushes, art-trellises, and even the more humble use of ground covering.

AMERICAN PILLAR. Carmine rose, cream center... Page 98

AVIATEUR BLERIOT.

Apricot yellow... Page 98

DOROTHY PERKINS. Very double

shell pink... Page 99

EXCELSA. Blood red clusters... Page 99

MARY WALLACE. Broad flowers,

rose pink... Page 99

ROSERIE. Deep pink Tausendschön. Page 99

The six varieties above (1 of each)—

By mail (postpaid), for \$4.50.

By express (not prepaid), for \$4.20.

The same six varieties (3 of each)—

By mail (postpaid), for \$12.00.

By express (not prepaid), for \$11.00.



PRICE LIST OF HARDY FIELD-GROWN ROSES

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Also an index, giving page location, and the class to which each variety belongs. For Pot Roses, see pages 102 and 103.
Abbreviations: "T" means Tea; "H.T." means Hybrid Tea; "H.P." means Hybrid Perpetual; "H.C." means Hardy Climber; "Poly." means Polyantha; "Pern." means Permetiana; "R.H." means Rugosa Hybrids; "M" means Moss; "W.H." means Wichuriana Hybrids; the "Wild" roses are cultivated plants of the native types.

2-Year Field Grown Roses				MAIL			EXPRESS			2-Year Field Grown Roses				MAIL			EXPRESS		
VARIETIES	P.	Class		Ea.	10		Ea.	10	100	VARIETIES	P.	Class		Ea.	10		Ea.	10	100
Agnes E. Carman	100	R.H.		\$0.85	\$ 8.00		\$0.80	\$ 7.50	\$70	Killarney Brilliant	94	H.T.		\$0.90	\$ 8.50		\$0.85	\$ 8.00	
Alberic Barbier	98	H.C.		.85	8.00		.80	7.50	70	Killarney Dbl. White	94	H.T.		.90	8.50		.85	8.00	
Albertine	92	H.C.		1.25	12.00		1.20	11.50	...	Lady Alice Stanley	94	H.T.		.90	8.50		.85	8.00	
American Beauty	93	H.T.		.90	8.50		.85	8.00	...	Lady Ashtown	94	H.T.		.90	8.50		.85	8.00	
American Pillar	98	H.C.		.85	8.00		.80	7.50	70	Lady Hillingdon	94	H.T.		.90	8.50		.85	8.00	
Angelus	93	H.T.		.90	8.50		.85	8.00	...	Lady Inchiquin	91	H.T.		1.50	14.00	1.40	13.00		
Anthony Waterer	100	R.H.		.85	8.00		.80	7.50	70	Lady Pirrie	91	H.T.		1.25	12.00	1.20	11.50		
Aspirant M. Rouyer	90	H.T.		2.00	19.00		1.90	18.00	...	Lady Reading	97	Poly.		1.25	12.00	1.20	11.00		
Aviateur Bleriot	98	H.C.		.85	8.00		.80	7.50	...	Lady Ursula	94	H.T.		.85	8.00	.80	7.50	\$75	
Baby Rambler	100	Poly.		.80	7.50		.75	7.00	65	La Fayette	97	Poly.		.90	8.50	.85	8.00		
Baby Tausendschön	97	Poly.		.85	8.00		.80	7.50	70	La Tosca	94	H.T.		.90	8.50	.85	8.00		
Belle Poitevine	100	R.H.		.85	8.00		.80	7.50	...	Laurent Carle	94	H.T.		1.00	9.50	.95	9.00		
Betty Uprichard	90	H.T.		1.50	14.00		1.40	13.00	...	Los Angeles	94	H.T.		1.00	9.50	.95	9.00		
Blanche Moreau	100	M.		.85	8.00		.80	7.50	...	Lulu	91	H.T.		1.50	14.50	1.45	14.00		
Capt. Hayward	95	H.P.		.80	7.50		.75	7.00	65	Luxembourg	94	H.T.		1.00	9.50	.95	9.00		
Capt. Kilbee-Stuart	90	H.T.		1.50	14.00		1.40	13.00	...	Luxembourg	100	M.		.85	8.00	.80	7.50		
Carolina	101	Wild		.75	7.00		.70	6.50	...	Mme. Alex. Dreux	91	H.T.		2.50	24.00	2.40	23.00		
Chas. Fred'k Worth	100	R.H.		.85	8.00		.80	7.50	...	Madame Butterfly	94	H.T.		1.00	9.50	.95	9.00		
Chateau de Vougeot	93	H.T.		1.00	9.50		.95	9.00	...	Mad. C. Testout	95	H.T.		.85	8.00	.80	7.50	70	
Chatillon Rose	97	Poly.		.90	8.50		.85	8.00	75	Mad. Edouard Herriot	96	Pern.		1.00	9.50	.95	9.00		
C. K. Douglas	94	H.T.		1.25	12.00		1.20	11.50	...	Mad. Georges Bruant	100	R.H.		.85	8.00	.80	7.50		
Climbing Am. Beauty	98	H.C.		.85	8.00		.80	7.50	70	Mad. M. Delanney	95	H.T.		.90	8.50	.85	8.00		
Columbia	93	H.T.		.85	8.00		.80	7.50	...	Magna Charta	96	H.P.		.80	7.50	.75	7.00	65	
Conrad Ferd. Meyer	100	R.H.		.85	8.00		.80	7.50	...	Manda's Triumph	101	W.H.		.80	7.50	.75	7.00		
Constance	90	H.T.		1.50	14.00		1.40	13.00	...	Mary Wallace	99	H.C.		.90	8.50	.85	8.00		
Corrie Koster	92	Poly.		1.50	14.00		1.40	13.00	...	Mermaid	92	H.C.		1.75	17.00	1.70	16.50		
Countess of Murinais	100	M.		.85	8.00		.80	7.50	...	Miss Cynthia Forde	95	H.T.		.90	8.50	.85	8.00		
Crested Moss	100	M.		.85	8.00		.80	7.50	...	Miss Lolita Armour	95	H.T.		1.25	12.00	1.20	11.50		
Crimson Rambler	98	H.C.		.80	7.50		.75	7.00	65	Mrs. Aaron Ward	95	H.T.		1.00	9.50	.95	9.00		
Crusader	93	H.T.		.90	8.50		.85	8.00	...	Mrs. Beckwith	91	H.T.		1.50	14.00	1.40	13.00		
D. de P. Fontaine	100	M.		.85	8.00		.80	7.50	...	Mrs. Calvin Coolidge	95	H.T.		1.50	14.00	1.40	13.00		
Diadem	90	H.T.		1.50	14.50		1.45	14.00	...	Mrs. Chas. Bell	95	H.T.		1.00	9.50	.95	9.00		
Doctor Van Fleet	99	H.C.		.80	7.50		.75	7.00	65	Mrs. Chas. Russell	95	H.T.		.90	8.50	.85	8.00		
Dorothy Perkins	99	H.C.		.75	7.00		.70	6.50	60	Mrs. C.W. Thompson	99	H.C.		.80	7.50	.75	7.00	65	
Duchess of Wellington	93	H.T.		.90	8.50		.85	8.00	...	Mrs. H. R.	91	H.T.		1.50	14.00	1.40	13.00		
Duke of Edinburgh	96	H.P.		.80	7.50		.75	7.00	...	Darlington	91	H.T.		1.50	14.00	1.40	13.00		
Earl of Dufferin	96	H.P.		.80	7.50		.75	7.00	...	Mrs. J. C. Ainsworth	91	H.T.		1.50	14.00	1.40	13.00		
Earl Haig	90	H.T.		2.00	19.00		1.90	18.00	...	Mrs. J. H. Laing	96	H.P.		.80	7.50	.75	7.00	65	
Eblouissant	92	Poly.		1.25	12.00		1.20	11.00	...	Mrs. Prentiss Nichols	91	H.T.		1.25	12.00	1.20	11.50		
Ecarlate	93	H.T.		.85	8.00		.80	7.50	...	Mrs. Redford	91	H.T.		1.50	14.00	1.40	13.00		
Edel	90	H.T.		1.50	14.00		1.40	13.00	...	Mrs. S. K. Rindge	95	H.T.		1.00	9.50	.95	9.00		
Edith Cavell	92	Poly.		.85	8.00		.80	7.50	...	Mrs. W. C. Miller	95	H.T.		1.00	9.50	.95	9.00		
Edward Mawley	93	H.T.		1.00	9.50		.95	9.00	...	Multi flora Japonica	101	Wild		.75	7.00	.70	6.00	55	
Eldorado	93	H.T.		2.00	19.00		1.90	18.00	...	New Century	100	R.H.		.85	8.00	.80	7.50		
Elvira Aramayo	90	H.T.		1.50	14.00		1.40	13.00	...	Old Gold	95	H.T.		1.00	9.50	.95	9.00		
Emily Gray	92	H.C.		1.00	9.50		.95	9.00	...	Parfume de L'Hay	100	R.H.		.85	8.00	.80	7.50		
Erna Teschendorf	97	Poly.		.80	7.50		.75	7.00	65	Paul Neyron	96	H.P.		.80	7.50	.75	7.00	65	
Etoile de France	93	H.T.		.90	8.50		.85	8.00	...	Paul's Scarlet	92	H.C.		.80	7.50	.75	7.00	65	
Eugene Furst	96	H.P.		.80	7.50		.75	7.00	65	Climber	96	Aust.		.85	8.00	.80	7.50		
Eugene Jacquet	99	H.C.		.80	7.50		.75	7.00	65	Persian Yellow	101	W.H.		.80	7.50	.75	7.00		
Evergreen Gem	101	W.H.		.80	7.50		.75	7.00	...	Pink Roamer	95	H.T.		.85	8.00	.80	7.50		
Excelsa	99	H.C.		.75	7.00		.70	6.50	60	Premier	91	H.T.		2.00	19.00	1.90	18.00		
F. J. Grootendorst	100	R.H.		1.00	9.00		.90	8.50	80	Pres. Cherieux	97	Poly.		1.00	9.50	.95	9.00		
Flower of Fairfield	99	H.C.		.90	8.50		.85	8.00	75	Princess Juliana	91	H.T.		1.00	9.50	.95	9.00		
Francis Scott Key	93	H.T.		1.25	12.00		1.20	11.50	...	Queen of Fragrance	95	H.T.		.90	8.50	.85	8.00		
Frank W. Dunlop	90	H.T.		1.00	9.50		.95	9.00	...	Radiance	95	H.T.		.90	8.50	.85	8.00		
Frau Karl Druschki	96	H.P.		.85	8.00		.80	7.50	70	Red Radiance	95	H.T.		.90	8.50	.85	8.00		
Gardenia	101	W.H.		.80	7.50		.75	7.00	...	Red Letter Day	95	H.T.		.90	8.50	.85	8.00		
Gen. Jacqueminot	96	H.P.		.80	7.50		.75	7.00	65	Red Orleans	97	Poly.		.90	8.50	.85	8.00		
Gen. MacArthur	93	H.T.		.85	8.00		.80	7.50	70	Roserie	99	H.C.		.85	8.00	.80	7.50		
Gen.-Sup. A. Jansson	93	H.T.		.85	8.00		.80	7.50	70	Rugosa Rubra	100	R.		.80	7.50	.75	7.00	65	
Geo. C. Waud	94	H.T.		.90	8.50		.85	8.00	...	Salet	100	M.		.85	8.00	.80	7.50		
Glory of Mosses	100	M.		.85	8.00		.80	7.50	...	Sensation	95	H.T.		1.25	12.00	1.20	11.50		
Golden Emblem	94	H.T.		1.00	9.50		.95	9.00	...	Setigera	101	Wild		.75	7.00	.70	6.50	60	
Gold Finch	99	H.C.		.80	7.50		.75	7.00	...	Silver Moon	99	H.C.		1.00	9.50	.95	9.00		
Gorgeous	94	H.T.		1.00	9.50		.95	9.00	...	Soleil d'Or	96	Pern.		1.00	9.50	.95	9.00		
Grete Schreiber	97	Poly.		.90	8.50		.85	8.00	...	So. Orange Perfection	101	W.H.		.80	7.50	.75	7.00		
Gruss an Aachen	97	Poly.		.90	8.50		.85	8.00	...	Souv. de C. Pernet	93	Pern.		1.00	9.50	.95	9.00		
Gruss an Tepitz	94	H.T.		.85	8.00		.80	7.50	70	Souv. de G. Beckwith	92	Pern.		1.50	14.00	1.40	13.00		
Hadley	94	H.T.		1.00	9.50		.95	9.00	...	Souv. de H. A.	91	H.T.		1.50	14.50	1.45	14.00		
Hansa	100	R.H.		.85	8.00		.80	7.50	70	Verschuren	95	H.T.		1.00	9.50	.95	9.00		
Harrisons Yellow	96	Aust.		.85	8.00		.80	7.50	...	Sunburst	101	W.H.		.85	8.00	.80	7.50		
Henri Martin	100	M.		.85	8.00		.80	7.50	...	Sweetheart	99	H.C.		.85	8.00</				



NOVELTY ROSES

(Prices given are for 1 plant, by mail. See P. 89)

NEW HYBRID TEA ROSES

Aspirant Marcel Rouyer. Flowers very large and full, from long pointed buds. Coloring rich; the dominant note being apricot, a congestion of red at center, salmon-flesh at the edge, all petals heavily veined yellow at base. \$2.00.

Betty Uprichard. One of those delightfully contrastive types; the outside a blend of deep toned carmine with coppery orange; the interior a delicate salmon pink. Strong garden variety, sweetly fragrant. \$1.50.



John C. Mensing—(P. 91)

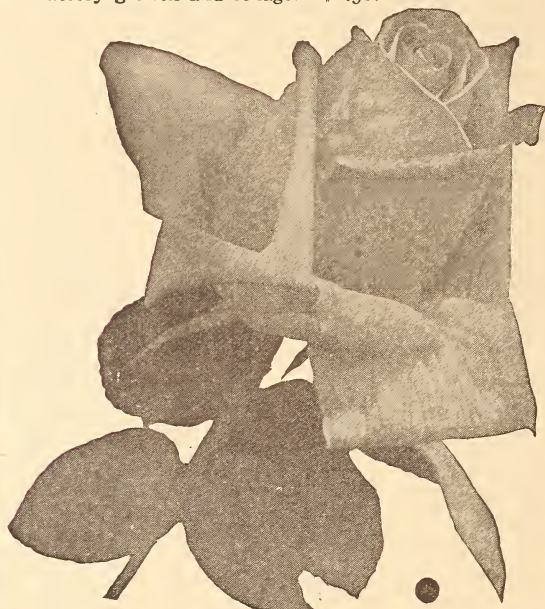
Capt. Kilbee-Stuart. Another fine new red — rich, glowing, velvety, crimson shaded scarlet. The petals are massive and numerous, in close formation. \$1.50.

Constance. Beautiful orange buds streaked crimson, which open into medium globular flowers of pure yellow. These keep well, and the variety is quite satisfactory, but the bush requires liberal winter protection. \$1.50.

Diadem. A beautiful intermingling of various color tones; orange salmon, copper and yellow being overlaid on deepest crimson. The large, full, perfect flowers are sweetly scented, and plant growth extra vigorous. \$1.50.

Earl Haig. A type rare among red roses, and so of obvious interest to the selective buyer. Outside of its fragrance, freedom and unfading cherry-crimson color; the thick rolling petalage, and permanent high-built center, fix its superiority over less compact varieties. A splendid associate with the white "Edel." \$2.00.

Edel. Surely best of all recently introduced whites, perhaps ever, in hybrid teas. The flowers are of noble size, deep, close-centered, with many petals; ivory at base but otherwise purest white, the broad roll of the edges frost like. One of the surest and most continuous bloomers, with satisfactory growth and foliage. \$1.50.



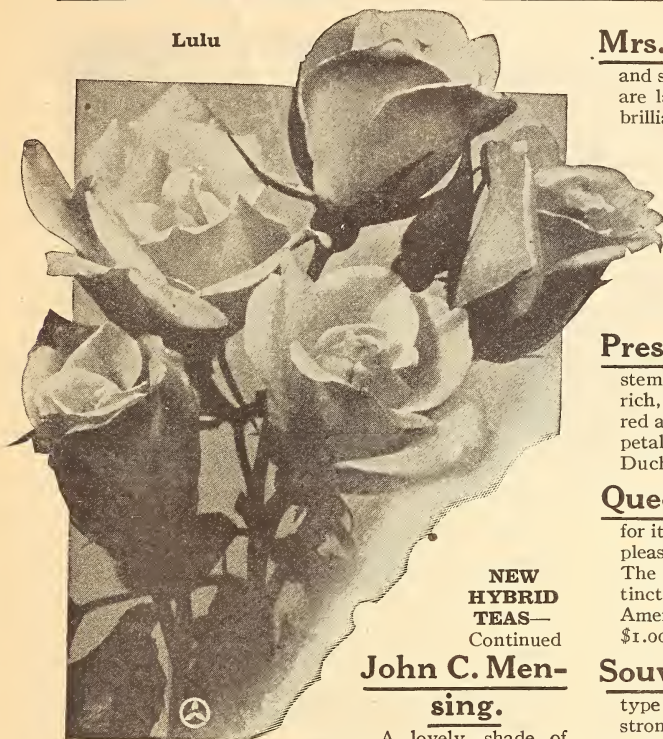
Elvira Aramayo

Elvira Aramayo. A flaming, arresting color newly applied to roses, as "Indian red." This seems to be a unique association of orange-carmine, with tones of madder, salmon, and pink. The buds are long and pointed, plentiful, opening into large flowers of cactus shape with some quilled petals; a showy garden type, with straight stems and bushy growth. \$1.50.

Frank W. Dunlop. A tall growing bush with not much foliage but very free bloom; the buds and flowers being large, very double and highly perfumed; brilliant, deep rose pink. \$1.00.

Hortulanus Fiet. Very large, graceful flowers of deep ochre yellow, modifying according to conditions; the perfume distinct and pleasing. \$2.00.

Lulu



NEW
HYBRID
TEAS—
Continued

John C. Mensing.

A lovely shade of deep, bright rose pink, favoring the Ophelia type in construction and habit. An excellent forcing kind with long buds, perfect flowers and sweet fragrance. May be styled a "glorified" Mad. Butterfly. \$2.00.

Lady Inchiquin. A vivid garden variety of solid color, orange vermillion brillianced by cerise. The flowers are somewhat open, with curled petals; but are large, very free and continuous. \$1.50.

Lady Pirrie. Very pleasing buds which open quickly into semi-double flowers with large frilled petals. Copper-red and salmon, inside of petals apricot-yellow flushed fawn and copper. Extremely free flowering. \$1.25.

Lulu. Of particular value and beauty in bud form, they being abnormally long and substantial, with a swarthy orange red color. The flowers open up semi-double or single, brightened by an overflow of salmon-pink, the general effect reminding of Mme. E. Herriot. \$1.50.

Mad. Alexandre Dreux. An excellent golden yellow of deep tone, with full, shapely flowers on erect branches. \$2.50.

Mrs. Beckwith. Buttercup yellow, graduating lighter towards the edge. Good buds, and medium sized flowers of perfect form. Growth erect and thrifty, foliage glossy light green, and stems practically thornless. \$1.50.

Mrs. H. R. Darlington. Very shapely buds and flowers of large size and full petalage, waxy cream-white tintured with yellow at base, fragrant, free-blooming. Plant growth upright, branching and vigorous. \$1.50.

Mrs. J. C. Ainsworth. A counterpart in every way except color, to its famous parent "Mrs. Charles Russell." The buds are daintily pretty—warm peach blossom pink tipped mauve-white—the opened flowers revealing an almost crimson heart. \$1.50.

Mrs. Prentiss Nichols. Exceptionally strong growing and sturdy, with dark, leathery foliage. The flowers are large, well-formed and double, borne profusely; brilliant, deep pink. \$1.25.

Mrs. Redford. This is a fine new rose, distinctive and desirable. Unusual varnished, healthy foliage; sturdy, upright growth; and profuse, fragrant bloom. The flower construction unites grace, beauty and substance, its coloring a radiant apricot-orange. \$1.50.

Pres. Cherioux. Very large, full, globular flowers borne freely on long stems, amidst attractive bronze green foliage. The rich, warm coloring is prawn-red deepening to coral-red at center, with a strong yellow glow at base of the petals. This is one of the most beautiful of Pernet-Ducher's very recent introductions. \$2.00.

Queen of Fragrance. Although particularly noted for its fragrance, the double bloom is well shaped and pleasing in its color, shell pink tipped with silver. The fragrance is so pronounced and pleasingly distinctive, this variety, has won English cups and American certificates against strong competition. \$1.00.

Souv. de H. A. Verschuren. An ideal bedding type of vigorous, branchy growth, free bloom, and strong resistance to mildew, black spot and other garden ailments. The buds are long and very pretty for cutting, opening out into very full double flowers of pleasing shape and substance. The color is two-toned yellow; apricot or cadmium at center, diminishing to saffron and straw color towards the edges. \$1.50.

Wilhelm Kordes. A magnificent product from crossing "Ophelia" with "Gorgeous"; the exquisite form and blooming character an augmented inheritance from the one, the voluptuous coloring attributable to the latter. The plant is healthy, with strong, straight shoots and gleaming masses of reddish leaves. The abundant bloom is golden yellow flushed with orange and copper-red, when fresh; but a veritable sunset at the close, with a broken background, and straggling rays of red. \$2.00.





Lady Reading



The Darkest Baby Rambler



Princess Juliana

NEW POLYANTHA ROSES

Corrie Koster. Entirely distinct from all others in its very showy color—a brilliant orange tinted salmon. The small, somewhat ruffled flowers are produced in great clusters, and abundantly. Cut sprays last reasonably well in water, and make delightful decorations in an unusual but highly appreciated color. \$1.50.

Eblouissant. This new clustered variety shows the darkest color of any yet produced; brilliant, deep, velvety red without fading, a solid one-color. The growth is vigorous and erect, although compact; the bloom of good size, of great freedom and persistence. \$1.25.

Edith Cavell. Strong growing and dependable, its compact clusters a flood of

crimson, punctuated by distinct white eyes. 85 cts.

Lady Reading. The splendid forcing and bedding type so well known and appreciated in "Ellen Poulsen," is carried on in another shade by this new variety, with even larger and more perfect flowers, the color a strong unmixed, unfading cherry red. \$1.25.

Princess Juliana. This variety is brand new and a distinct sensation wherever exhibited. Outdoors, it is just another good, pretty pink and white dwarf bedder, of satisfactory habit and growth. But indoors, forced for sprays or for pot-bloom, its beauty is irresistible. A dainty combination of maiden-blush, peach pink and ivory, the florets prettily waved and strung along the much-branched sprays in joyous abandon. \$1.00.

NEW PERNETIANA ROSE

Souv. de George Beckwith. Flowers are large, long-lasting, on good stiff stems; deep golden yellow at the base, full, globular and terminating in shrimp pink, the intermediate surface overlaid chrome yellow; a healthy and vigorous grower. \$1.50.

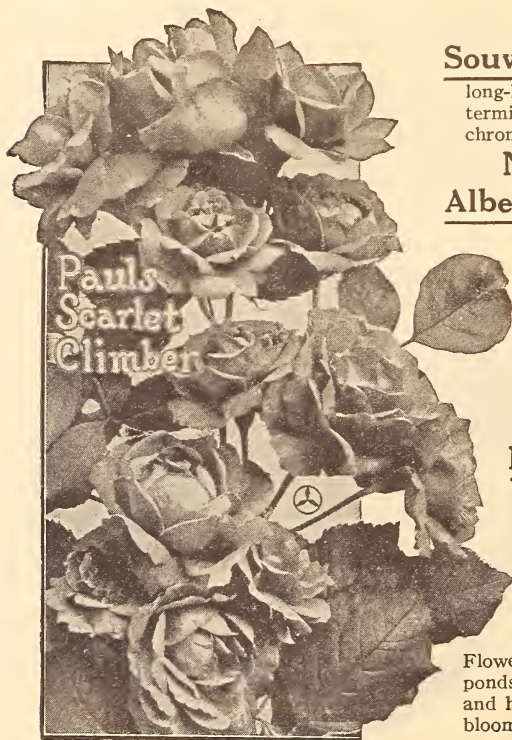
NEW HARDY CLIMBING ROSES

Albertine. A vigorous climber with glossy dark foliage, producing an abundance of sweetly scented, moderately double flowers about four inches in diameter. Their color is variable, in successive combinations of copper, chamois, salmon and pink; with a silvery overcast. \$1.25.

Emily Gray. Unique foliage, thick, dark and glossy, the youngest leaves and twigs bright crimson. A vigorous grower, producing normal clusters of ten rather large flowers. The wonder of it, however, is its flower color; true, full yellow, strong in the bud, a shade or two lighter when full-bloom. Needs special protection in our latitude, against zero weather. \$1.00.

Mermaid. Actually a *bracteata hybrid* type, equally successful as a pillar rose, or trained into a door-yard bush. Its bloom is generous in quantity, intermittently continuous; single, 3 to 4 inches wide, pure sulphur yellow emphasized by the heavy protruding amber stamens at center. Needs special winter protection in this latitude. \$1.75.

Paul's Scarlet Climber. Winner of gold medal as best new climbing Rose, at National Rose Society's Exhibition. Flowers are scarlet, shaded crimson; large, semi-double. Corresponds with Cl. Am. Beauty, Dr. Van Fleet, etc., as to size, shape and habit. Blooms very long, holding in flower after many June bloomers have dropped their petals; a wonderful Rose for trellis or pergola use. 80 cts.



TEA AND HYBRID TEA TWO-YEAR FIELD GROWN ROSES

A careful selection of choice, well known and new Garden Roses which, although classed as hardy, should be given winter protection in the North. These types are popularly termed "Everblooming Roses." By this no one expects them to bloom continuously, but as compared with the Hybrid Perpetuals and other classes, their blooming activities extend over the longest period. As Garden Roses, they usually commence in June, continuing their bloom until Autumn frosts suspend the flow of sap. The few Tea varieties are so noted.

PRICE Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 RATE is 5 cts. less in each case. The 85 ct. varieties are \$70.00 per 100 by express.

GENERAL COLLECTION OF VARIETIES

American Beauty. Probably the widest known and most prized cut flower among all American Roses. Deep pink approaching crimson, of exquisite form and fragrance, and large size. 90 cts.

Angelus. A recent novelty which combines the perfume, contours, and most pleasing qualities of both Ophelia and Columbia; except their colors are drained away, leaving only the ivory white. 90 cts.

Charles K. Douglas. An English rose of vigorous upright growth, and liberal, fragrant bloom which is of delightful form. Color, a flaming scarlet flushed with velvety crimson. \$1.25.

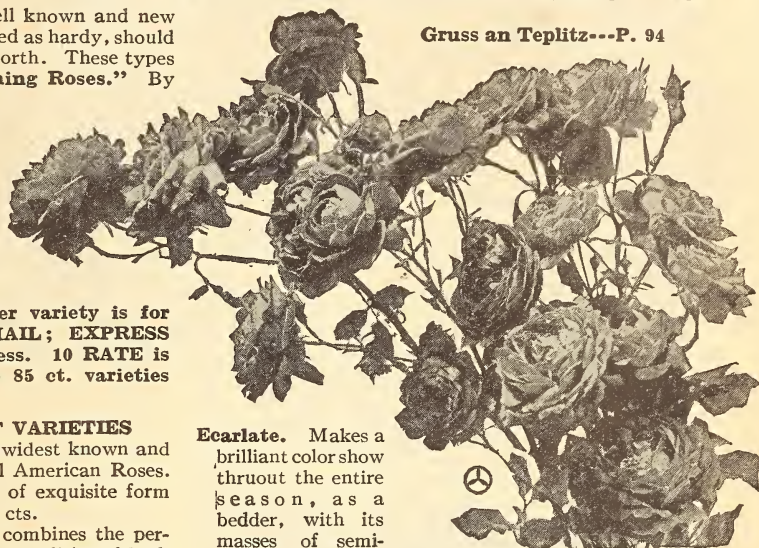
Chateau de Clos Vougeot. This is one of those lovely shaded reds so dark as to suggest the richness of velvet. It is sweetly fragrant and a very continuous bloomer. Rather dwarf growth. \$1.00.

Columbia. A beautiful, true pink; deepening as it matures to a warm, glowing tone, which is enduring. Its double petalage, size and substance make it a great bedding and cutting rose. 85 cts.

Crusader. Of recent introduction, a well-formed, broad-petaled rose of enduring substance; richly shaded crimson red. 90 cts.

Duchess of Wellington. Intense saffron yellow. Fine, strong-featured Rose familiarly called "Orange Kil-larney." 90 cts.

Gruss an Teplitz---P. 94



Ecarlate. Makes a brilliant color show thruout the entire season, as a bedder, with its masses of semi-double flowers in dazzling scarlet touched here and there with carmine. 85 cts.

Edward Mawley. Big deep-petaled flowers of strong fragrance, especially attractive early in the season; brilliant crimson. \$1.00.

Eldorado. A strong, true yellow even to the end, having diminished in strength uniformly, from its first richness. The shade is that gleaming gold found in Marechal Neil, slightly reddened at base. Fully double and of pleasing form. \$2.00.

Etoile de France. Velvety garnet-red cup, with center of vivid cerise. Flowers very large and full, with marked imbrications. Fragrance and sturdy growth especially recommend it as a garden Rose. 90 cts.

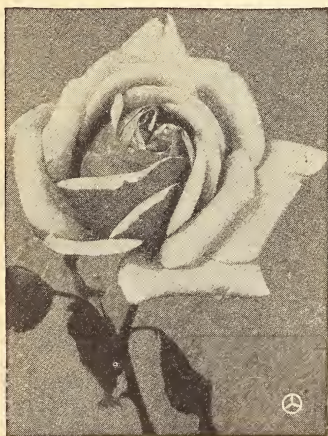
Francis Scott Key. Red, shading to cerise; very large with a profusion of petals opening to a high center. A splendid forcing variety. \$1.25.

General MacArthur. Dazzling crimson scarlet exquisitely perfumed. One of the grandest red Roses ever offered, either for cutting or bedding. 85 cts.

General-Superior A. Janssen. Glowing, deep carmine-red; large, full, fragrant and continuous bloom coupled with vigorous and compact growth. 85 cts.



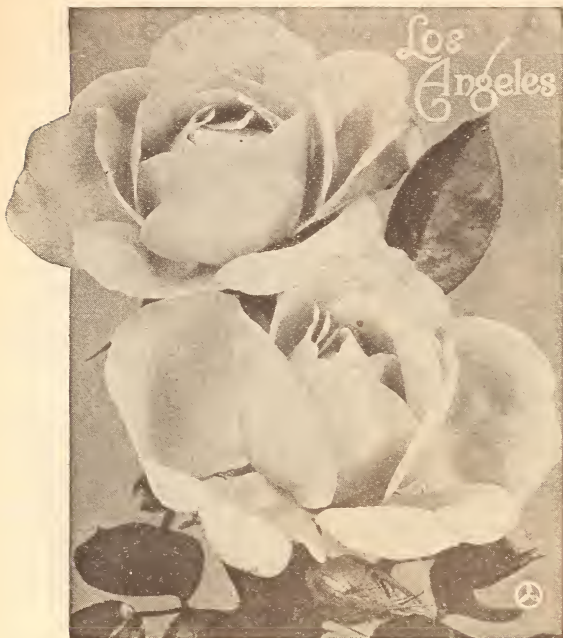
Charles K. Douglas



Eldorado



Columbia



HYBRID TEA ROSES—Continued

Geo. C. Waud. Of heavy substance and retained fullness, at its best in the earliest season and in autumn. Color is brilliant vermilion overcast by orange. 90 cts.

Golden Emblem. Beautifully formed long buds opening up into fine, fragrant, golden flowers. The color is rich, a yellow cadmium toning to sunflower yellow. A splendid yard and garden type, blooming profusely and continuously throughout the season. \$1.00.

Gruss an Teplitz. Intense depth and richness of color; velvety crimson-red. Extremely free flowering, its flower brilliancy and reddish green stems and foliage making it one of the showiest garden types. 85 cts.

Gorgeous. Flowers very large, full and exquisitely formed, produced in endless profusion. Deep orange flushed copper-yellow, and heavily veined with reddish copper. \$1.00.

Hadley. Superb flowers and dependable bushy growth; color deep, velvety crimson-scarlet. \$1.00.

Hoosier Beauty. A large, full flower with well shaped buds; color glowing crimson. Sweetly scented, a great favorite for cutting. \$1.00.

H. V. Machin. Intense scarlet-crimson; black-stained and velvety; large, full and high centered. This is one of the richest colored of the red ever-bloomers. \$1.00.

Indiana. Deep pink slightly tinged with orange; a delightful color tone expressed in shapely flowers of large size on vigorous plants. 90 cts.

Jonkheer J. L. Mock. Vigorous in growth and hardy, with long smooth canes and great freedom of bloom. Flowers are round and full, bright pink faced carmine. A splendid bedder. 90 cts.

Kaiserin Augusta Victoria. Full double flowers; delicate creamy white; deliciously fragrant. 90 cts.

Killarney. Queen of the Irish Roses, of exquisite form and fragrance. Bright carmine-pink, marbled in creamy white, with petals large and durable, the buds extremely long. 85 cts.

Killarney Brilliant. Larger and more double than the type and a more intense, darker pink. 90 cts.

Killarney Double White. Improved strain of the White Killarney, with double flowers and greater substance. 90 cts.

Lady Alice Stanley. Shell-shaped petals of deep coral rose outside, interior delicate flesh suffused pink. A persistent and free bloomer, one of the most satisfactory general utility pink roses in the list. 90 cts.

Lady Ashtown. Tender rose shading to yellow at base of petals with silvery pink reflex. 90 cts.

Lady Hillingdon. A splendid new yellow variety, one of the most prolific cut flowers. Color deep apricot-yellow varying to orange. 90 cts.

Lady Ursula. Plant a strong grower, producing an abundance of large, well formed blooms with thick petals, apparently unmindful of any seasonable differences; smooth, clean, flesh pink with little noticeable shading. 85 cts.

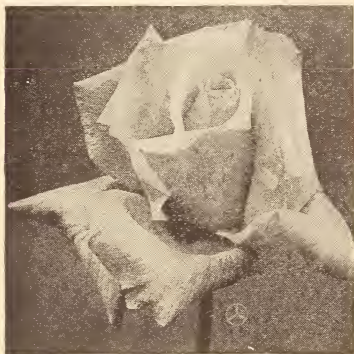
La Tosca. Silvery pink with deeper center. 90 cts.

Laurent Carle. Brilliant, velvety carmine. Flowers very large, of perfect form and intense fragrance. \$1.

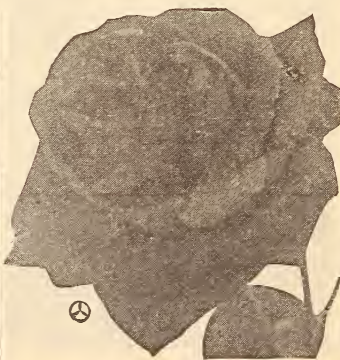
Los Angeles. One of the grandest all-round Roses of American origin ever put on the market. Flowers large and continuous, in color a flame pink, toned with coral and shaded with translucent gold at the base of the petals. \$1.00.

Luxemburg. A fine large, fully double rose of vigorous branching habit, and unusual freedom for the color which is a rich golden yellow. \$1.00.

Madame Butterfly. A symphony of white and gold, in the incomparable Ophelia style. The buds are a rich Indian red, yellow at base. \$1.00.



Jonkheer J. L. Mock



Gen.-Sup. A. Janssen



Lady Hillingdon



Mad. Butterfly—(P. 94)

HYBRID TEA ROSES—Concluded

Mad. Caroline Testout. Seldom out of bloom, beautiful, light salmon-pink, edged silvery rose. 85c.

Mad. Marcel Delanney. Tender rose color shaded with hydrangea-pink. Flowers large, full and fragrant, borne with satisfying freedom. 90 cts.

Miss Cynthia Forde. A placid, maidenly pink varying only in the definite condensation at margin and a lighter rose shade on the reverse. Of generous size and full, each petal laid primly in place; the fragrance noticeably sweet and refreshing. 90 cts.

Miss Lolita Armour. Winner of the coveted Bagatelle gold medal in 1921. The flowers are of large size, fully double, deliciously fragrant, with petals of great substance, the basic color being deep coral with a golden and coppery red suffusion; the base of petals golden yellow with copper-red sheen. \$1.25.

Mrs. Aaron Ward. Buds are deeply cupped. Color, deep golden orange, shading to creamy yellow. This popular variety has long been the standard yellow, small-budded "corsage rose" for our American women. \$1.

Mrs. Calvin Coolidge. (New.) A magnificent introduction from Ophelia source, with all the delightful contours and expression of that type; the color a clear light yellow which matures—especially in the shadowed center—to deep orange. \$1.50.

Mrs. Chas. Bell. Soft shell pink with a salmon background. It retains its full globular shape an unusually long period. \$1.00.

Mrs. Charles Russell. One of the choicest new pink roses, similar in character to the red American Beauty; a lovely shade of bright rose-pink deeper toward center. 90 cts.

Mrs. S. K. Rindge. A striking type varying from full cup shape at first, a nearly solid canary yellow; to flat distended petals, each broadly banded and suffused with carmine pink. \$1.00.

Mrs. Wakefield Christie-Miller.

Large, globular, peony-flowered bloom little affected by the blistering sun; early and continuous, of special value as a reliable garden rose. Delicately blushed pearl with salmon shadings; the outside a warm suffusion of rose and vermillion. (See color illustration on front cover.) \$1.00.

Old Gold. A sweet scented, semi-double, free flowering type of vigorous growth; very rich red-orange modified by burnished copper and apricot. \$1.00.

Premier. A magnificent variety of large size and distinct character; very deep rose color, the broad roll of the outer petals creating most interesting lights and shadows. It is practically thornless. 85 cts.

Radiance. Extra hardy, vigorous and prolific; one of the best all-round Garden Roses. Its color is a beautiful blending of carmine-rose with shades of opal and copper. (Both the pink and red Radiance are illustrated in color on front cover.) 90 cts.

Red Radiance. The globular, heavy-stemmed "Radiance" duplicated in all respects except color; this sport form being a brilliant crimson. 90 cts.

Red Letter Day. Single or semi-double flowers of a uniquely cactus shape, vividly self-assertive thruout the garden season. Its color is a glittering scarlet-crimson clear thru the petals. 90 cts.

Sensation. Bud is large, long-pointed; the expanded flower very double, averaging five inches across; very lasting. The finish suggests rich velvet, in color a scarlet-crimson deepened overall by glossy maroon. The foliage is dark, and the scented bloom profuse. \$1.25.

Sunburst. Very select, with long spiral buds; a lovely bronzy yellow fading to apricot. \$1.00.

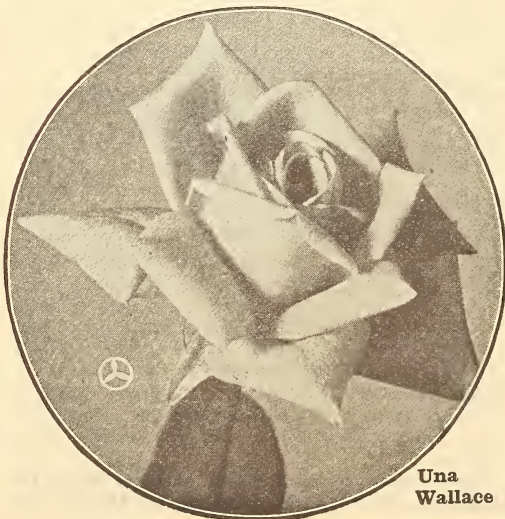
Templar. A grand, good every-day clear red; not of extraordinary size, but deliciously perfumed, and a "fast" color without any blemishing purple stain in the oldest petals. \$1.25.

Una Wallace. A recent novelty, almost alone in its particular color shade which may best be designated a soft cherry rose without separation or shading. In size, style and habit there can be little criticism, and its production of sweetly fragrant bloom is very liberal. \$1.00.

White Killarney. A duplicate of the charming pink Killarney, with flowers white as snow. 85 cts.

White Ophelia. The original Ophelia has come to be rated as a pink rose. This new derivation retains merely the basic white of its various color shades, but this is magnificently displayed in the typical Ophelia character. 90 cts.

Wm. F. Dreer. Its coloring is not sharply defined or aggressive, but just that modest delicacy and sweetness found in orchids and certain water-lilies. Soft, silvery shell pink, at times creating a golden illusion through reflection from the base of petals which are definitely gilded. A magnificent vase type, at its best as buds, (Illustrated on front cover.) \$1.25.



Una Wallace



HYBRID PERPETUAL

These are the "June Roses" so admirably suited for garden culture, the formation of Rose beds, hedges, etc. In June and July these lovely Roses are brilliant with great, intensely perfumed flowers of richest colors, far exceeding the other classes in size and vivid effect.

Capt. Hayward. Large, full flowers which are high built, with characteristically rolling edges to the petals. The color is a strong, rich, velvety carmine-crimson.

Duke of Edinburgh. Brilliant crimson scarlet shaded with maroon.

Earl of Dufferin. Rich crimson maroon, with dark and velvety shadings. Flowers large, full and globe shaped; with thick fragrant petals.

Eugene Furst. A beautiful velvety crimson, with distinct maroon shading; usually in clusters.

Frau Karl Druschki. The regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity are a three-fold revelation of exquisite charm and beauty. Large flowers of waxy paper white in June; yielding their final outburst with the first snow of fall. Mail, 85 cts.; \$8.00 per 10. Express, 80 cts.; \$7.50 per 10; \$70 per 100.

Gen. Jacqueminot. ("Jacq. Rose.") The oldest reliable red; free blooming, rich crimson scarlet.

John Hopper. A beautiful dark pink.

Jubilee. Pure red, shading to crimson and maroon at the base of petals; one of the darkest.

Magna Charta. Strong growing, early blooming with large flowers of bright rose-pink.

Mrs. J. H. Laing. A favorite sort; satiny flowers of soft, clear pink, remarkably free and continuous.

Paul Neyron. One of the finest hardy Roses ever grown. It blooms intermittently from June to November, on long, smooth, thornless stems, furnishing a vast quantity of uniform flowers 4 to 6 inches across. Color a bright ruddy pink. Particularly good in Autumn.

Ulrich Brunner. Cherry red. Its flower construction and habit is very pleasing, and the color appealing. 90 cts.; \$8.50 per 10. Express, 85 cts.; \$8.00 per 10.

Unless noted, by mail, 80 cts. each; \$7.50 per 10. By express, 75 cts. each; \$7.00 per 10; \$65 per 100.

AUSTRIAN BRIAR ROSES

Harrison's Yellow. Bright yellow; early flowering and always dependable.

Persian Yellow. An old favorite; very early, fragrant, shrubby type for the yard. Deep golden yellow.

By mail, 85 cts. each; \$8.00 per 10.

By express, 80 cts. each; \$7.50 per 10.

PERNETIANA ROSES

Recent introductions of M. Pernet. A hardy garden type, characterized by ornamental tinted foliage; and strikingly beautiful combinations of colors in the flowers, in which the rare, much-prized yellow is predominant.

Juliet. Fine flowers; petals gold outside, inside rich, rosy red deepening as the flower expands.

Makes a strong growing, sturdy bush. 90 cts.

Soleil d'Or. A rich, rare color; gold and orange yellow, varying to ruddy gold suffused with Nasturtium red. \$1.00.

Mad. Edouard Herriot. Its flowers are medium sized semi-double, a glorious commingling of terra cotta, bronze, Geranium red and dull copper; fine long, pointed buds of coral-red and yellow. \$1.00.

Souv. de Claudius Pernet. One of the most reliable and strongest yellow roses ever introduced, a decided and unstained sunflower yellow even deeper toned at center. Unlike most yellows, hot weather and exposure have little effect upon its pigments; the matured flower gleaming as richly as when first unfolding. Its flower form is large and full with elongated petals; the buds long and pointed. In growth it is vigorous, erect and branching, with brilliant foliage and almost thornless stems. (See color illustration on front cover). \$1.00.

Souv. de GEORGE BECKWITH. (See page 92). \$1.50.

Willowmere. A robust garden Rose of bushy habit, with beautiful buds, very large flowers and lustrous green foliage. Color rich shrimp pink, shaded yellow at center and toning to cream pink towards base of petals. \$1.00.



Pernetiana Rose—Juliet



HYBRID POLYANTHA, FAIRY, OR "BABY RAMBLER" ROSES

Called "Baby" Ramblers on account of their very short, close growth as compared with the long-caned trellis climbers. Most sorts grow 15 to 18 inches in height, and are shapely little bushes entirely covered with bloom. As **pot plants**, the varied types make wonderful forced specimens for winter decorations; **in summer**, their brilliant clusters lay ribbons of color along the garden borders from June till fall.

PRICE

Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 rate is 5 cts. less

in each case. For 100 rate, see page 89.

Crimson Baby Rambler. The original red of the group; still the most extensively used. 80 cts.

Baby Tausendschön. A prevailing flesh-pink; in beautiful, full clusters. 85 cts.

Chatillon Rose. Wonderful sprays of beautiful semi-double flowers which last long in water. The florets average about $1\frac{3}{4}$ inches in diameter, each heart-shaped petal distinctly lobed. The color is a charming silvery crimson fading away to flushed white at the center. 90 cts.

EBLOUISSANT. See Novelties, P. 92. \$1.25.

Erna Teschendorf. Deep, unfading crimson darker than the type, and some taller growing. 80 cts.

Grete Schreiber. Pearl pink. Vigorous grower. 90c.

Gruss an Aachen. Unusually large, compactly double, fragrant flowers in full clusters; a unique and very pretty combination of pink, red and orange. 90 cts.

Ideal. Notable in its phenomenal quantity of bloom, and the richness of its color, the distinctive shade being a rich garnet red. 90 cts.

LADY READING. See Novelties, P. 92. \$1.25.

La Fayette. Altho of dwarf, bushy growth, its clustered flower heads are a decided break from type; the individual flowers being 3 inches wide, semi-double and prettily ruffled, strung together in great branching sprays of as many as forty. Brilliant cherry-crimson color. 90 cts.

Red Orleans. Deep rose red, with a blur of white at center. Very striking and popular. 90 cts.

PRINCESS JULIANA. See Novelties, P. 92. \$1.00.

Triomphe Orleanaise. Much the same shade of crimson as Baby Rambler, but larger flowered. 95 cts.

White Baby Rambler. Its pure white flowers are perfectly double, very freely borne. 85 cts.



A beautiful, new, large flowered Polyantha

NEW YELLOW CHINESE BRIAR



Hugonis.

A striking, unique, attractive shrub; at home in medium sections of the landscape groups, or conspicuously independent as solitary lawn clump. Last year's canes produce the crop of bloom, with clean, healthy foliage of the Briar type; but the new growth springing abundantly from the roots, is densely clothed in acacia-like leaves and bristles, all a reddish maroon. A matured bush may attain 6 feet in height, with corresponding spread. The sparkling buds begin to swell in April, so that early in May, Hugonis is a shimmering mound of gold. The flowers are single, flat to cup shaped, with charming stamen tufts at center; set snugly full length of the arching canes. Their color is bright and noticeable, ranging from deep gold to canary. By mail, 90 cts. each; \$8.50 per 10. By express, 85 cts. each; \$8.00 per 10.



HARDY CLIMBING ROSES Including the Famous "RAMBLER ROSES"



Crimson Rambler (Type)

Your yard or garden may be too small to warrant the outlay of space sufficient to express your appreciation of Roses in bush form. Hardy climbing types (which include those modern varieties called "Rambler") need only a foothold; the long trails will twine and cling to any little trellis assistance and spread charming clusters over yards of wall space, will hang in festoons along eaves of your porch roof. Until mid-summer, stems and foliage are beautiful as vines; what they lack in this respect thereafter can be forgiven for the glory of the flowers they have borne.

PRICE Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 rate is 5 cts. less in each case. For 100 rate, see General Price List, P. 89.

Alberic Barbier. Long, pointed buds of sulphur yellow, opening into handsome creamy white flowers. Growth is rapid, but slender, well clothed with glossy dark green leaves. 85 cts.

ALBERTINE. See Novelties, P. 92. \$1.25.

American Pillar. One of the most attractive, flowering profusely in large, compact clusters. The single flowers range from 2 to 5 inches in width. Brilliant carmine rose, with a distinct cream variegation and yellow stamens at center. 85 cts.

Aviateur Bleriot. (New). Exquisite little buds of saffron yellow shaded apricot; opening to a lighter tone. The bloom occurs in open clusters, emitting an unusual but very pleasing magnolia fragrance. Glossy foliage and good thrifty growth. 85 cts.

Climbing American Beauty. This climbing form of the famous pink Rose, so long the American favorite for cutting, is as lovely and fragrant and deeply pink as the bush form. The hardy climber blood with which it is crossed gives healthy, perfect foliage and a strong climbing habit of growth; the super-abundant bloom being in prime before the June show of the bush type. 85 cts.

Crimson Rambler. The famous crimson-clustered climber, forerunner of a splendid class. 80 cts.

HARDY CLIMBING ROSES

—Concluded

Doctor Van Fleet.

One of the newer type of climbers which combines absolute hardiness with flowers large as in the Tea and Noisette class. This variety shows a mass of beautiful clustered buds, which open out into large, shapely flowers; delicate flesh white. An admirable cutting variety with stems 12 to 18 inches long. 80 cts.

Dorothy Perkins.

A beautiful shell-pink Rambler. This is unquestionably the thriftiest, showiest, and most practical of the older pink climbers; and trails its riotous clusters over more verandas, windows and trellises than any other one variety. 75 cts.

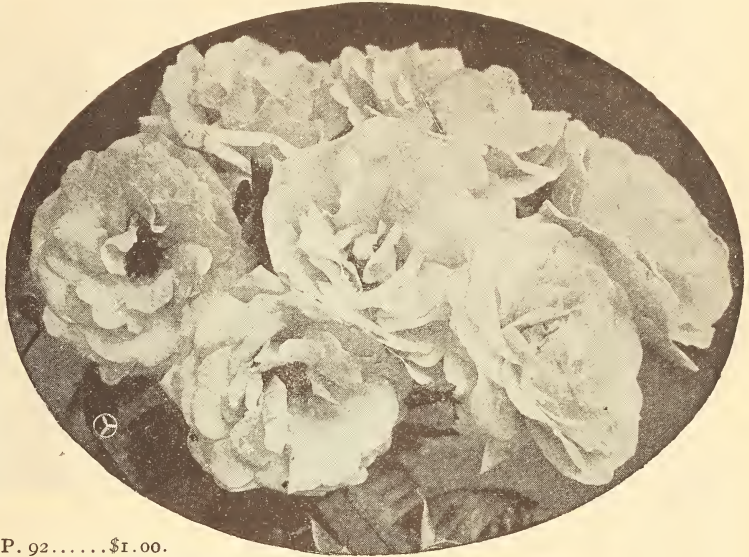
EMILY GRAY. See Novelties, P. 92.....\$1.00.

Eugene Jacquet. (New.) Fragrant cherry-red flowers borne profusely in very large clusters. This is a fine rapid climber, and brings to the class a valuable feature hitherto lacking—fragrance. 80 cts.

Excelsa. A radiant, blood-red Dorothy Perkins, the clusters very large. Excelsa out-grows most of the Rambler Roses, has notably good clean foliage, and proves to be comparatively immune from disease. 75c.

Flower of Fairfield. The "Ever-blooming Crimson Rambler;" commencing to bloom on the first young red shoots, and adding size and brilliancy with its growth. Considerably darker color than the type, more double, and its blooming season more extended. 90 cts.

Goldfinch. Flowers large, semi-double, in full clusters; a rich lemon yellow. 80 cts.



"The Rose of a Thousand Beauties"

Hiawatha. Its small flowers a deep ruby crimson accentuated by a white eye, are uniquely borne in long trails of 40 to 50 blooms. Smaller, but similar to American Pillar. 80 cts.

Jacotte. (New.) A vigorous climbing shrub with bright dark green foliage, very floriferous in clusters of four to ten flowers. These are very effective in a shade new to the class; orange yellow in the bud, the expanded flowers a deep copper tinted with copper-red. \$1.00.

Mary Wallace. (New.) Although a good pillar rose, it becomes self-supporting and makes an ideal door-yard bush. The flowers are semi-double, bright clear rose-pink with salmon base. These are often four inches wide; appearing intermittently during the season, following their first glorious outburst in late spring. 90 cts.

MERMAID. See Novelties, P. 92.....\$1.75.

Mrs. C. W. Thompson. Something new in hardy climbers, not a rampant grower like D. Perkins, but full-leaved and substantial like the older Pillar Roses, with the shiny green foliage of the Wichuriana class. The individual flowers are unique in form; being perfectly quilled, full, small buttons, deep pink color. These blooms are lavishly produced in dense clusters throughout an unusually long season, and are splendid subjects for table and other inside decoration. 80c.

Roserie. This splendid new Rose is derived as a sport from Tausendschön; and while showing exactly the same vigorous growth, clean foliage and great freedom of bloom as the parent, its flowers are a deep, glowing pink. 85 cts.

Silver Moon. Four to five inch semi-double flowers; pure white with thick clusters of yellow stamens. \$1.00.

Tausendschön. ("Thousand Beauties.") A rapid growing, almost thornless climber, showing the blood of Rambler, Polyantha and Tea parentage. Its innumerable flower clusters make a pretty show in June and July; at first the soft pink of Clotilde Soupert, and later deepening to a bright carmine rose. Very vigorous climber, with plentiful and healthy foliage. 85 cts.

White Dorothy. A magnificent, clustered Rose, with good strong virility and climbing habit, the vines a sheet of white during their blooming period. 80 cts.



Mrs. C. W. Thompson

MOSS ROSES



A beautiful species distinguished by the moss-like covering of their buds. Vigorous, stocky growth, lustrous foliage and perfect hardiness; the flowers usually large and bloom exceptionally long.

Blanche Moreau. Pure white.

Countess of Murinais. White, beautifully mossed. **Crested.** Deep pink buds, surrounded by a mossy fringe and crest; exquisitely fragrant.

Deuil de Paul Fontaine. Deep crimson; constant. **Glory of Mosses.** Glossy pink tinged crimson.

Henri Martin. Rich glossy pink tinged with crimson.

Luxembourg. Bright crimson.

Salet. Light rose, large and full; late.

By mail, 85 cts. each; \$8.00 per 10. By express, 80 cts. each; \$7.50 per 10.

ROSA RUGOSA and its Hybrids

A valuable, perfectly hardy type much used in landscape work, agreeable to location in partial shade; the heavy wood and shrubby formation adapting it to hedges and hardy borders, or to mixed shrubbery groups. The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests. Flowers are borne in clusters of varying size and construction, and are succeeded by winter persistent fruits.



F. J. Grootendorst



Rosa Rugosa Rubra

Rosa Rugosa Rubra. Single flowers, rosy crimson; orange-scarlet fruits. By mail, 80 cts.; \$7.50 per 10.

By express, 75 cts. each; \$7.00 per 10; \$65.00 per 100.

Agnes Emily Carman. Flowers large, semi-double; rich crimson.

Anthony Waterer. Semi-double flowers of deep crimson; a good landscape variety.

Belle Poitevine. Very free and branching, every tip laden with immense large pink bouquets. Buds very long; perfume exquisite.

Chas. Fred'k Worth. Attractive, deep green foliage, denser and darker than the other Hybrids; flowers deep crimson with carmine shadings; fairly double.

Conrad Ferd. Meyer. An early flowering Hybrid combining the ornamental qualities of its Rugosa foliage with the blossom beauty and perfume of the Hybrid Perpetuals. Flowers large, cup-shaped and double; of a delicate silvery pink.

F. J. Grootendorst. ("The Baby Rambler Rugosa Rose.")

Typical rugosa foliage, health and habit, of compactly bushing, moderate growth; but revealing its baby rambler cross-derivation in the form, color and season of its bloom. Not only suitable for association with medium shrubs, like other rugosas, but on account of its remarkable bloom and superior bush character, deserves more prominent exhibition, either as a single specimen or in a separate massed group. The bloom is in clusters of over-sized, fairly double red flowers resembling the Crimson Baby Rambler, which like this type, produces from early summer till fall. Mail, \$1.00 each; \$9.00 per 10. Express, 90 cts. each; \$8.50 per 10; \$80.00 per 100.

Hansa. A showy hybrid with abundant large, double, reddish-violet flowers; rampant growth.

Mad. Georges Bruant. Semi-double pure white, produced freely in showy clusters.

New Century. Flowers very large semi-double, borne in full clusters; flesh pink, widely bordered creamy white.

Parfume de L'Hay. Bright red flowers very freely borne. The unusual charm of this new variety lies in its intense, exquisite perfume. This quality gives it commercial value for the making of attar of roses.

Unless noted. By mail, 85 cts.; \$8.00 per 10. By express, 80 cts. each; \$7.50 per 10; \$70.00 per 100.



Steps bordered with Wichuriana Roses

JAPANESE TRAILING ROSES WICHURIANA HYBRIDS

The evergreen, lustrous, dense and healthy foliage of this species make them indispensable for ground covering and shallow bedding. They bloom profusely during a long season and brighten the early winter months with conspicuous fruits and still green foliage. Although trailing in tendency, every variety yields readily to upright training, and make beautiful staked pillars, trellis adornment, covering for unsightly fences, and in fact act in a limited degree like the other Hardy Climbers.



The picturesque utility of Rosa Setigera

- Evergreen Gem.** Dense, bronzy green foliage; double flowers creamy white. A fine ground cover.
- Gardenia.** The small, very numerous little yellow buds, are beautiful in early summer, the flowers opening up creamy white. Vigorous grower.
- Manda's Triumph.** The flowers are pure white and very double; produced in clusters of from 10 to 12 each, literally covering the plant.
- Pink Roamer.** Large, single, in striking clusters; pink, with white center. One of the prettiest.
- South Orange Perfection.** Double flowers, 1½ inches in diameter; white, bluish pink at the tips.
- Sweetheart.** Rosy pink, produced freely and continuing in bloom a long period of time. 85 cts.
- Universal Favorite.** A vigorous grower; flowers double, of a beautiful rose color; very fragrant. 85 cts.
- Unless noted, by mail, 80 cts. each; \$7.50 per 10. By express, 75 cts. each; \$7.00 per 10.**

NATIVE or WILD ROSES

Pretty single flowers, and large, bright-colored berries which cling far into the winter. They are largely utilized for planting among shrubs, and to reclaim and cover waste ground.

- Carolina** (Swamp Rose). Hardy in either wet or dry soil. Shrubby growth, pretty pink flowers.
- Multiflora.** Strong growing, with long arching canes covered with white clusters in June. \$55.00 per 100.
- Setigera.** Useful for massing in picturesque hillside brambles; as borders to wildwood drives; as filling for dead corners; and with equal harmony, as a congenial mixer with shrubs and in single specimens. Setigera is a good practical fence and trellis climber or with occasional clipping makes a showy, satisfactory bush. Large single flowers in abundance, color, a bright rose pink. \$60.00 per 100.

By mail, 75 cts. each; \$7.00 per 10. By express, 70 cts. each; \$6.50 per 10.



TREE or STANDARD ROSES

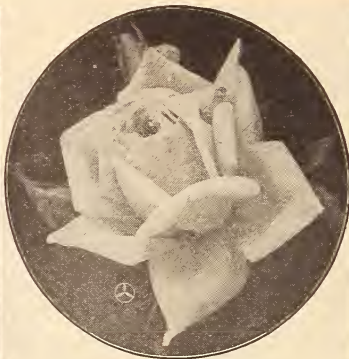
After temporary suspension in the furnishing of Standard Roses, we are pleased to announce that we have a limited supply of well grown

trees available for this spring's delivery. We presume most of our patrons understand that Tree Roses consist of a single upright stem top-grafted to some reliable variety. This reveals all the foliage and all the bloom in a rounded clump at the top of a 4 foot stem. They are very useful as borders to walks in a formal garden, or in any location where the show of bloom is desired at an elevation of from 3 to 5 feet. We offer them in **Pink, Red and White**—all free blooming varieties. **By express, \$3.00 each; \$27.50 per 10.**

SEE COMPLETE PRICE LIST OF ROSES ON PAGE 89



Blumenschmidt



Alexander Hill Gray



Mrs. B. R. Cant

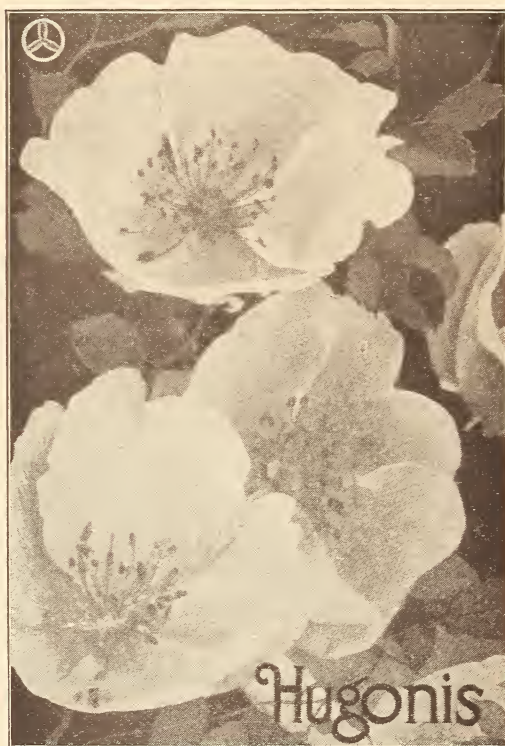


POT-GROWN ROSES



CULTURE OF ROSES IN POTS. For house culture the various types of Everblooming Roses will give a succession of bloom if treated in the following manner: Drain the pots well with broken bits of crock; mix one part of well-rotted cow manure with two parts of light, friable soil, and press firmly about the roots in potting. Keep well watered during the summer, more scantily in fall and winter. Pinch off all flower-buds until winter, and then give all the sunlight possible. Keep your plants clean and growing. About 60 degrees is the best temperature for window or general indoor culture.

Offered in 1 year stock from 2½ inch pots. No distinction between mail and express price.



GOLDEN CHINESE BRIAR

Hugonis. (Novelty.) A remarkable and very valuable briar rose brought in from China. Grows and spreads quickly to as much as 6 feet at maturity. Blooms extravagantly in May full length of last year's shoots. Flowers single, ranging from deep gold to canary, with conspicuous stamen tufts. 2½ inch pots. 35 cts.; 3 for \$1.00.

TEA AND HYBRID TEA ROSES

For Pots or Bedding

Alexander Hill Gray. A fine lemon yellow of large size with high-built center, full petalage gracefully reflexed, and delightful tea scent. One of the best recent introductions in Tea Roses.

Bessie Brown. Pearl-white, with a delicate tinge of fawn. Good size and character.

Blumenschmidt. Pure citron yellow, usually edged tender rose on the outer petals. Very persistent, free bloom; an admirable garden type.

Eugene E. Marlitt. A showy red; rich deep carmine, with scarlet shading.

Hoosier Beauty. A sweetly scented, large full flower with well-shaped buds; deep, glowing crimson.

Kaiserin Augusta Victoria. A beautiful rose with elegant, long-pointed buds and very large, full double flowers; color, delicate creamy white; deliciously fragrant.

Lady Plymouth. An English prize-winning rose of exquisite finish and dainty texture. Ivory white slightly blushed, a pearly gloss over all.

Maman Cochet. Mother of many noted favorites, establishing a type as well known and appreciated as any group in the Tea section. The color is rich, clear pink daintily flushed with silvery rose.

Mme. Francesca Krueger. An old favorite; with large flowers of coppery yellow.

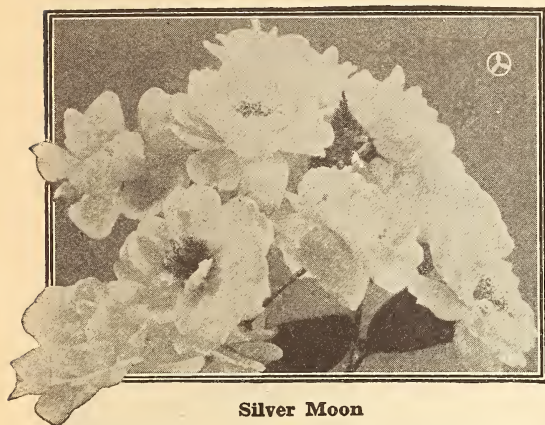
Mrs. Benjamin R. Cant. Flowers full, globular, sweet scented, borne freely until the very latest season. Deep rose, inside silvery with buff base.

Red Radiance. Of splendid garden habit, co-equal with the favorite pink Radiance; its color a brilliant, deep shade of red.

Robinhood. Strong, lusty growth; extremely large flowers borne consistently the full season; bright rosy scarlet.

White Maman Cochet. The family traits and beauty are preserved; pure, waxy white, one of the most reliable whites in this class.

2½ inch pots. 25 cts. each; \$2.50 per dozen.



Silver Moon

HARDY CLIMBING ROSES

For Pillars and Trellises

	Each	Doz.
American Pillar. Large single flowers carmine-rose, with cream and yellow center....	\$0.25	\$2.50

Climbing American Beauty.

Hardy Hybrid Tea; magnificent pink climber	.25	2.50
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Dr. Van Fleet. Delicate flesh white; flowers large in fine cutting clusters.....	.25	2.50
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Dorothy Perkins. Dense clusters of double pink flowers, fluted petals.....	.25	2.50
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Excelsa. Blood red; strong climber.....	.25	2.50
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Gold Finch. Buds rich lemon yellow, open flowers a trifle lighter.....	.25	2.50
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Hiawatha. Deep ruby crimson, with white eye; small flowers, big clusters.....	.25	2.50
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Mrs. G. W. Thompson. Very double pom-pom flowers in clusters; deep pink.....	.30
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Paul's Scarlet Climber.

Very large semi-double flowers of crimson scarlet in great abundance. Remains in bloom longer than most.....	.25	2.50
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Roserie. Deep glowing pink.....	.25	2.50
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Tausendschön. Soft pink and carmine intermingled with white.....	.25	2.50
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White Dorothy

Silver Moon. Four to five inch semi-double flowers; pure white with thick clusters of yellow stamens.....	Each \$0.25	Doz. \$2.50
White Dorothy. Best white climber .....	.25	2.50

HYBRID POLYANTHA ROSES

or "BABY RAMBLER" GROUP

Baby Doll or "Tip-Top." Golden yellow, tipped cerise. A wonderful little bouquet Rose.....	Each \$0.25	Doz. \$2.50
Clotilde Soupert. Creamy white and pink..	.25	2.50

Orange King (New.) Great clusters of beautiful anemone shaped flowers, basily pink, but heavily overcast with a brilliant orange.....	.50	5.00
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Ideal. A striking new baby, producing an extraordinary amount of medium sized bloom in large clusters, the color a velvety garnet red.....	.35	3.50
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Princess Juliana. (New.) A daintier, sweeter combination of maiden-blush and peach and ivory, is inconceivable. The florets are prettily waved, and strung along the branched sprays in joyous abandon.....	.40	4.00
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Rosa Wichuriana

WICHURIANA and its HYBRIDS

Trailing, Ground Covering, etc.

Rosa Wichuriana. (Memorial Rose.) Single white flowers; lustrous foliage.

Aviateur Bleriot. (New.) Exquisite little buds of saffron yellow shaded apricot; opening to a lighter tone. The bloom occurs in open clusters, emitting an unusual but very pleasing magnolia fragrance. Glossy foliage and thrifty growth.

Evergreen Gem. Dense, bronzy green foliage; double flowers creamy white. A fine ground cover.

Gardenia. A prolific bloomer, with deliciously fragrant, creamy yellow clusters.

Jersey Beauty. Fragrant single flowers in clusters, with prominent tufts of yellow stamens.

Pink Roamer. Large, single, in striking clusters; pink, white center. One of the prettiest.

Sweetheart. Rosy pink, produced freely and continuing in bloom a long period of time.

Universal Favorite. Double, very fragrant; a beautiful rose-pink.

All 2½ in. pots. 25 cts. each; \$2.50 per doz.



HARDY PERENNIAL PLANTS

THE OLD FASHIONED HARDY GARDEN

Why. Perennials are planted, essentially, for their yield of flowers. With the right selection of classes and varieties, our garden plots may be kept bright and cheery with bloom from before the first robin's song in spring, until Nature herself gives up the gracious task in early winter.

When. These roots may be planted as early in spring as the ground is pliable (or in the autumn); selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility, and developing into shapelier plants than the bulkier old roots.

Where. Proper **location** and intelligent distribution are important items and should receive serious consideration. Any good **soil** sensibly enriched with rotted manure, bone meal or sheep manure as available, dug deep and thoroughly mixed, will be satisfactory.

Various coarse-leaved, tall growing sorts, such as Anchusas, Boltonias, Cassia, Hollyhocks, Golden Glow, Mallows, Sunflowers, etc., should of course be located in the **background**. The **front** of the border should be laid out in the dwarfiest growing kinds, such as Achillea, Columbines, Shasta Daisies, Euphorbias, Gaillardia, Heuchera, Hypericum, Dwarf Lychnis, Forget-me-nots, Plumbago, Iceland Poppies, Sedums, etc. **Intermediate** rows will take care of the great majority of perennials; the principal requirement in their location being to so dispose that colors will not clash, nor be unequally distributed. The matter of variation in **blooming season** should also affect location, in order to have no material section of the garden without some show of color at any time of the year. Thoughtful study of succeeding pages with these matters in view will pay its own reward.

How. SPACING. In planting perennials, it is generally safe to space those varieties which do not grow above two feet, about 12 inches apart; the taller ones at an interval one-half the ultimate height. Crowded or stingy planting are equally disastrous to healthy growth and perfect effect.

CULTIVATION. Don't let up with the hoe! Keep the ground well cultivated, leveled and free from litter; except during protracted drought, a little mulch of short grass (sweepings from the lawn) will help retain moisture and keep the soil from baking.

TRAINING. Judicious "staking" at an early date will adjust many later defects of top-heaviness or unequal development. If done early, the correction and support will be absorbed; after maturity, any alteration would appear abnormal and unsightly.

TIDINESS goes a long way towards an attractive garden. Snipping a broken twig; an untanglement here and there; removing withered leaves, dead flower stems, etc., will repay the odd moments of time and attention.

DIVIDING. The earliest flowering types are generally dwarf, compact and close rooted; these may be left undisturbed for several years. The tall sorts of late summer and fall are fast growing and prolific; it will be found a positive advantage to quality of bloom and general appearance, if these are taken up, divided, and a part only replanted, at least every second year.

WINTER PROTECTION. Everything listed in this section is "hardy," but in varying degree. For instance, Tritomas, Poppies and Shastas really need some protection. A light covering of coarse straw manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and ensure safety for the weak. After removing all stems and dead foliage, during the last days of November, or before severely cold weather sets in, apply this dressing, remembering to remove it gradually next spring, as soon as frost begins to leave the ground.

● GENERAL ASSORTMENT of HARDY BORDER PLANTS Page 105

Achillea, Boule de Nieve. (Ball of Snow.) 18

in. A valuable dwarf perennial, erect and compact, with full ball shaped flowers; pure white. 20 cts.; \$2.00 per dozen. By express, \$12.00 per 100.

—**The Pearl.** 2-3 ft. One of the best white flowered border plants, resembling Pompon Chrysanthemums. 20 cts.; \$2.00 per dozen. By express, \$12.00 per 100.

Aethionema Coridifolium. Dwarf edging plants; with numerous short leaved, crowded branches fairly covered with dainty rose colored racemes. 20 cts.; \$2.00 per dozen.

AGROSTEMMA Coronaria. (Rose Campion.) Bright crimson, phlox shaped; with velvety silvery foliage.

—**Coronaria Alba.** White flowers.

20 cts. each; \$2.00 per dozen.

ALYSSUM Saxatile Compactum. (Golden Tuft.) A useful little border and rockery plant, growing not over 12 inches high; covered with enveloping flat clusters of bright golden-yellow flowers early in summer. 20 cts.; \$2.00 per dozen. By express, \$12.00 per 100.

ANCHUSA DROPMORE. A bold, broad leaved growth, and flower stems 3 to 5 feet high, bearing a continuous show of deep blue flowers from spring until late summer. The stools are quite dense and bushy, each stem nearly covered full length with double, inch wide flowers, of the deepest cobalt blue. 25 cts.; \$2.50 per dozen.

ANEMONE JAPONICA. (Wind Flowers.) A valuable class, suitable for edging, massing or single specimens. They grow rapidly 2 to 3 feet, and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November, the large open flowers furnishing abundant cut-flowers and brilliant field display.

—**Alba.** Pure white.

—**Rosea.** Bright rose-pink.

—**Rubra.** Showy rose-red, yellow center.

—**Whirlwind.** Excellent double white flowers.

25 cts.; \$2.50 per dozen. By express, \$18.00 per 100.

ANTHEMIS—Kelwayi (Hardy Marguerite). An excellent and profitable perennial for cutting; its daisy-like flowers appearing in profusion, practically all summer. Golden-yellow, 2 ft. 20 cts. each; \$2.00 per dozen.

—**Nobilis** (Chamomile). Low, spreading, much branched border plant with ornamental fine-cut foliage which is pleasantly aromatic. The flowers have white rays with yellow disc. 20 cts.; \$2.00 per doz.

Aubretia Graeca. (Rainbow Rock Cress.) Essentially a rock plant, but equally pretty and useful as an edging to any dwarf perennial border. The foliage is a fine mass of silver green, in spring and early summer concealed by a sheet of light purple flowers. 15 cts. each; \$1.50 per dozen.



Achillea, Boule de Nieve

AQUILEGIA (Columbine.) Distinct, clear-cut foliage and delicate arrangement of colors; its habit especially suitable for rock-work, at the base of foundation walls and under trees. Bloom in early spring.

—**Caerulea Hybrids.** Dainty blue and white.

—**Chrysantha.** Bulky, strong yellow.

—**Chrysantha Alba.** Beautiful double white.

—**Mrs. Scott Elliot's Long Spurred Hybrids.** An English strain producing many shades and combinations in purples, blue, red and yellow.

—**Rose Queen.** Popular because pink is unique in the family, for its brightness and sheer beauty.

20 cts.; \$2.00 per doz. By express, \$15 per 100.

Arabis Alpinus. (Rock Cress.) Low growing plants especially suited to rock-work, flowering a long time, in small white terminal racemes. They commence to bloom in May. 15 cts.; \$1.50 per dozen.

Armeria Formosa. (Cushion Pink.) Dwarf compact growing plants, grassy foliage evergreen, throwing up numberless spikes of little ball shaped flowers from spring till fall; various shades of pink. 20 cts.; \$2.00 per dozen.

Asclepias Tuberosa. (Butterfly Flower.) A familiar field flower; the cultivated form making a delightful show of orange flowers during early summer. 2½ feet. 20 cts. each; \$2.00 per dozen.

Asperula Hexaphylla (Misty Woodruff.) 1-2 feet. Leaves in whorls of six, the plant strongly resembling asparagus plumosus; the small white flowers in recumbent open panicles. The growth is normally equal height and breadth. 15 cts.; \$1.50 per doz.



Anemone Japonica



Anchusa Dropmore



Long Spurred Columbine



New Aster Elta

HARDY ASTERS

The "Michaelmas Daisies" are very largely used by landscapers, to provide masses of foliage and bloom throughout the fall. They give a wide range of selection as to height, character, season and color. Please note the addition of 15 new varieties to our lists:

Anita Ballard. (3'). Light lobelia blue, early and free; a certain distinctive expression, which makes it stand out among other light blues.

Belgian Queen. (4'). Attractive bluish lilac.

Blue Gem. (3'). Large, rich violet blue.

Blushing Bride. (3'). White with just a tint of pink.

Brussels. (4'). Very large light lavender blue.

Capitaine. (4-4½'). Light lavender blue.

Dick Ballard. (3'). Large, distinct rose tinted lavender.

Elta. A profusion of large close-petaled flowers thruout a longer fall season than any competitor. One of its superior and important advantages is its compact, branchy habit, and comparatively dwarf growth, making it available for use even in the central spaces of the more formal gardens. Color a definite lilac-lavender, with tango eye.

Emilie Thoury. (3'). Light ageratum blue.

Feltham Blue. Attractive 4-foot bush with black stems and dark green, lanceolate leaves. Inch-wide flowers in abundance during August and September, aniline-blue, with small, yellow button center.

King of the Belgians. (3'). Light lobelia blue.

Laavis. (4'). Reliable old light blue variety.

Malines. (4'). Pretty rosy violet.

Miss Eisele. (3'). Very large lavender blue.

Mons. (3'). Distinct reddish violet; a very showy type of refined character, useful in autumn hampers, and in general bouquets.

Rachel Ballard. (3'). Rose tinted violet-blue.

Sam Banham. (3'). Earliest; feathery, pure white, better than most white varieties for cutting.

Tartarica. Very broad, long bottom leaves, diminishing in size towards top of stalk. Blooms in October; bright purple. 5 feet. 20 cts.; \$2.00 per dozen.

The President. (4'). Large, light bluish violet.

Top Sawyer. Clear parma violet. 4 feet. 20 cts. each. \$2.00 per dozen.

Trinervus. Deep violet-purple. 2½ feet. October-November. 20 cts. each; \$2.00 per dozen.

White Climax. Much branched, standing 5 feet high, with pure white flowers 1¼ inches in width, in pyramidal clusters from August to mid-October.

Unless noted 25 cts. each; \$2.50 per dozen.

Bocconia Cordata. (Plume Poppy.) Six to eight feet. Immense flat, deeply indented leaves of silvery green on pearl-pink stalks. Flowers creamy white, produced in large upright panicles, which persist for months, darkening to rusty bronze. This is a splendid plant to point the angles of the tallest perennial backgrounds, its neutral colors associating well with any other colors, and its stems and foliage highly ornamental. 20 cts.; \$2.00 per dozen.

Boltonia. Fast growing. 5 feet. Suitable for backgrounds; prolific panicles late summer bloom.

Asteroides. Aster-like white flowers.

Latisquama. Lavender pink flowers. Large sprays. 15 cts. ea.; \$1.50 per dozen.



Bocconia Cordata



Boltonia Latisquama



See Caryopteris (P. 107)

**Cerastium Tomentosum****Coreopsis****Shasta Daisy**

CAMPANULA (Bellflower)

These are among the most beautiful and well-liked of the entire list of border plants. There are various types, all throwing up a liberal number of flower spikes along which are a crowded profusion of good sized bells; adapted to any garden soil.

Carpatica. (Carpathian Hare-Bell.) A pretty compact species, not exceeding eight inches high, flower bells one inch in diameter. **Blue or White.**

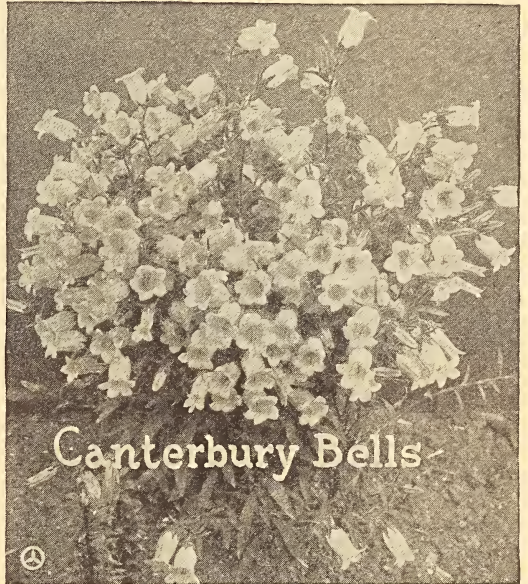
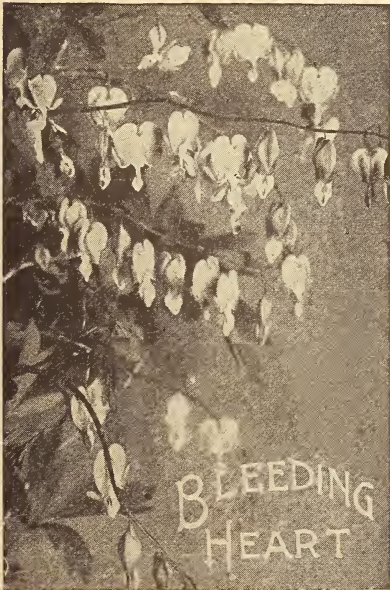
Media. The well known "Canterbury Bells;" its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July, height 2 to 3 feet. **Blue, Rose or White.**

Pyramidalis. (Chimney Bell-flower.) Very conspicuous; 4 to 5 feet high. Salver-shaped flowers borne profusely in September. **Blue or White.**

All Campanulas, 20 cts. ; \$2.00 per dozen.

By express, \$15.00 per 100.

Caryopteris Mastacanthus. (Blue Spirea). A fine bushy border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. These are of unique construction, the bristling stamens adding materially to the general effect. Not entirely hardy in the north and should be heavily protected. 35 cts. each; \$3.50 per dozen.

**Canterbury Bells****BLEEDING
HEART**

Centaurea Montana (Mountain Bluet). 2 feet. Bearing large, loose-petaled flowers of violet-blue from July to Sept. 15 cts. each; \$1.50 per dozen.

Cerastium Tomentosum. ("Snow-in-Summer.") A carpet plant, with silvery foliage and white flowers. 20 cts.; \$2.00 per dozen. By express, \$15 per 100.

Coreopsis Lanceolata Grandiflora. Flowers are rich golden yellow, borne in great profusion nearly the entire summer. This is one of the most serviceable and dependable perennials, furnishing a prodigious amount of excellent cut flowers, besides taking an important place among the 18 to 24 inch border types. 15 cts. each; 3 for 40 cts.; \$1.50 per doz. By express, \$10.00 per 100.

SHASTA DAISY, Alaska. Pure white with yellow eye. Plants are extremely productive of bloom, making as spectacular a field show and as profitable a cut-flower supply as any Hardy Perennial grown. 15 cts. each; 3 for 40 cts.; \$1.50 per dozen. By express, \$10.00 per 100.

—**King Edward VII.** (New.) Immense flowers and vigorous growth. 20 cts. each; \$2.00 per dozen.

DICENTRA. (Bleeding Heart.)—**Spectabilis.** One of the most delightful of all the early spring flowering plants, bearing numerous rosy red, heart-shaped flowers in drooping racemes. Two feet. 50 cts.; \$5.00 per dozen.

—**Eximia.** Compound racemes of deep rose, the heart shaped flowers tapering to a long slender neck. This variety is valuable in landscaping designs owing to its practically continuous bloom, and the very attractive cut-leaved foliage clumps. 25 cts. each; \$2.50 per dozen.



DELPHINIUM (Larkspur)

The Perennial Larkspurs are indispensable to the herbaceous garden. Their long, showy spikes of flowers persist from June till frost and furnish an unlimited cutflower supply.

Belladonna. A magnificent sort with large spikes of the most delicate turquoise-blue. 15 cts.; 3 for 40 cts.; \$1.50 per dozen; \$10.00 per 100 by express.

Bellamosa. A very dark blue variety, of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of Belladonna. 20 cts. each; 3 for 50 cts.; \$2.00 per dozen; \$15.00 per 100 by express.

Gold Medal Hybrids. Plants vigorous, free blooming, with flower spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. 20 cts. each; 3 for 50 cts.; \$2.00 per dozen; \$15.00 per 100 by express.

Chinensis. Dwarf growth; foliage small and deeply cleft; flowers loosely paniced; bright dark blue. 20 cts. each; \$2.00 per dozen.

DIANTHUS Deltoides. (Maiden Pink.) 18 inches; foliage prostrate. A charming slender-stemmed type, the branching terminal panicles a mass of small pink flowers graduating from carmine to light coral, during May and June. A good rock-plant, occupying small root space; and brightly effective as a close-set edging plant in perennial beds. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.

DICTAMNUS Fraxinella. (Gas Plant.) An interesting plant of shrubby, bushy growth 2 to 3 feet high, bearing very numerous early summer flowers; and emitting a pleasing fragrance.

—**Rubra.** Spikes of curious red flowers. 25 cts.; \$2.50 per dozen.

—**Alba.** White flowered. 30 cts.; \$3.00 per dozen.

DIGITALIS Gloxiniaeflora. (Foxglove.) A grand display of thimble-shaped flowers in immense spikes during July and August. Tall growing with large, rough foliage. Separate colors. **White or Rose.** 20 cts.; \$2.00 per dozen.

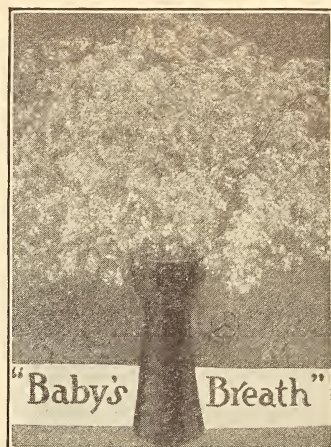
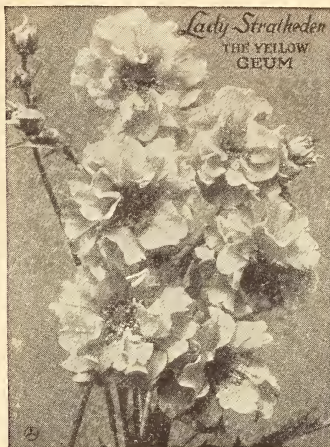
—**Buxbaumii.** Smooth, shiny foliage; strong stems bearing good long spikes of medium sized flowers, unique and showy in their rich canary yellow color. Yellow flowers in the Foxgloves is a welcome addition to their usefulness in the taller groups. 20 cts.; \$2.00 per dozen.

—**Giant Shirley Foxgloves.** 6 to 7 feet high, with flower heads 3 feet or more long, crowded with big bell-shaped florets. Colors range from white and shell pink to deepest rose, many attractively dotted with crimson and chocolate. 25 cts.; \$2.50 per dozen.

Euphorbia Corollata. (Flowering Spurge.) A branchy low-growing plant with fine stems and foliage, literally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long sprays; and one of the most charming mist-flowers to mix with bouquets of Larkspur, Geum, etc. Euphorbia is usually in prime, just after Gypsophila is thru, and before the Thalictrums become useful as "mixers." 20 cts.; \$2.00 per dozen.

Funkia Undulata Variegata. (Flowering Spurge.) A substantial plants valued even more for their foliage than for their flowers. The leaves are broad and definitely fluted, pale green with a broad white central band and varying streaks; the flower stems just long enough to clear the foliage clump, small pendant blue florets in loose racemes. Being only 12 to 18 inches high they make very showy edging plants to bind in a planting of taller perennials, and they are also among the very few really choice perennials which accept a shady location without protest. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.





Gaillardia Girandiflora. (Blanket Flower.) One of the most gorgeous, and prodigal displays of all perennials, providing an unfailing supply of bloom, in those rich, tawny shades so highly prized. Flowers often measure 3 inches in diameter, on clean 2 foot stems. A hard center of deep maroon, is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon. 20 cts.; \$2.00 per dozen.

GEUM. Brilliant, beautifully ruffled flowers resembling Carnations, on long slender upright stems. 1½ feet. In prodigal bloom from June to Sept.

—**Mrs. Bradshaw.** Showy double crimson scarlet. 20 cts. each; \$2.00 per dozen.

—**Lady Stratheden.** Bright golden yellow. 25 cts.; \$2.50 per doz.

Gysophila Paniculata. (Baby's Breath.) A branching fine stemmed plant rapidly forming a 2 to 3 foot mound. During mid-summer, the surface is a fleecy mass of white in loose panicles of minute, but myriad flowers. Sprays of these are largely used for mixing with high colored flowers, with delightful effect in bouquets. 15 cts.; 3 for 40 cts.; \$1.50 per dozen; By express, \$10.00 per 100.

HELENIUM. Branching plants which make fine individual rounded bushes, or work to advantage in the medium section of a graduated perennial group. 3 to 4 feet. Plants should be allowed at least 2½ feet for spread.

—**Autumnale Rubrum.** Bright terracotta red, a color particularly appropriate to late summer.

—**Bigelovi.** Quite showy during August with terminal clusters of 1½ inch, deep yellow flowers much darker at center.

20 cts. each; \$2.00 per dozen.

HARDY GRASSES

A few clumps of these beautiful hardy grasses give an air of tropic luxuriance, and piquant animation. Gracillima is the finest, densest, darkest and most sinuous. The Eulalias are about equal as to height (4 feet); and quality of plumage, which make excellent dried bouquets for winter. The Ribbon grass, being dwarf, is used for edging, the clumps spreading to about 2 feet.

Eulalia Gracillima Univittata. (Japan Rush.) Narrow green leaves with a silvery white midrib, perfectly hardy. By express, \$15.00 per 100.

—**Japonica Variegata.** Long narrow leaves, striped with green and white.

Phalaris Arundinacea Variegata. (Ribbon Grass.) Green leaves, striped lengthwise with creamy white. 1½ to 2 feet. By express, \$15.00 per 100. 20 cts.; 3 for 50 cts.; \$2.00 per dozen.

HELIANTHUS (Sunflower)

Hardy and quick growing, available for medium to tall location. The flowers average from 3 to 5 inches in diameter, of various pretty shapes and shades of yellow. Foliage and growth of each is entirely distinct; can be adjusted to other perennials for striking foliage effects.

Maximilliana. Immense single flowers, rich golden yellow, center reddish brown. Very dark green, lanceolate, drooping foliage, late bloom. 5 to 7 feet.

Mollis Grandiflorus. Light lemon yellow. Foliage large, rounded, silvered and quite hairy. 4 feet.

15 cts.; \$1.50 per doz. By express, \$10 per 100.

HELIOPSIS—Golden Sun (New). Bushy perennials seldom over three to four feet high; lavishly covered with 3 inch single flowers during six weeks of mid-summer. 25 cts.; \$2.50 per dozen.

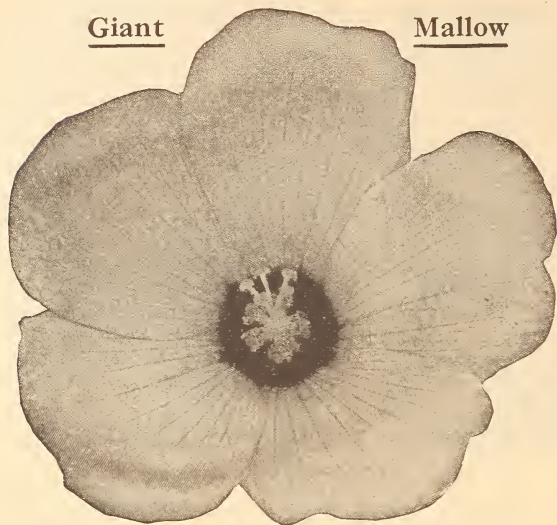
HEMEROCALLIS. Well known family resembling Lilies in character and bloom, usually sweet scented and bearing a great quantity of yellow flowers during long periods. They run in height from 2 to 4 feet.

—**Middendorfi.** Grows 2½ feet, with dark, clean foliage and long stems, and clusters of lily flowers 5 to 6 inches long, bright golden yellow. May and June. 20 cts. each; \$2.00 per dozen.

—**Thunbergi.** Funnel-shaped flowers of buttercup yellow in July. 4 feet. 15 cts. each; 1.50 per doz.



Heliopsis Golden Sun

GiantMallow

HEUCHERA, Sanguinea ("Coral Bells"). Grows about 2 feet high, with scalloped, purple-tinged round leaves; and throughout the summer throws up innumerable erect, slender flower stems, each crowned with a loose umbel of coral-red flowers. 25 cts. each; \$2.50 per dozen.

HIBISCUS (Mallow)

CRIMSON EYE. Of quick, shrubby growth to 5 feet, bearing quantities of large open flowers like single Hollyhocks; white with prominent crimson throat. 20 cts.; \$2.00 per dozen.

MALLOW MARVELS. A giant race derived from the common native Hibiscus, which has elevated this type almost to the dignity of shrubs. Massed in great groups or generously interspersed with shrubs, these "Marvels" grow very rapidly, sometimes getting up to 8 or 10 feet in height; with plenty of broad foliage to furnish a rich setting for the mammoth flowers.

—**Red Marvels.** Various shades of red and crimson. 20 cts.; 3 for 50 cts.; \$2.00 per dozen. By express, \$14.00 per 100.

—**Mixed Marvels.** A possibility of red, pink, or white—or all. 15 cts.; 3 for 40 cts.; \$1.50 per dozen. By express \$10.00 per 100.



Hypericum or "Gold Flowers"

HOLLYHOCKS

This stately old plant is truly "King of the Garden." Hollyhocks inject so much of color and life and picturesqueness into tall backgrounds with their densely-set pillars ranging in height from 4 to 7 feet, ablaze throughout the summer with a thrilling suggestion of comfort and loving care.

Double Flowered.

Large rosettes of paper-like tissue, very compactly layered. We offer them in the following separate colors.

Crimson, Yellow, White, Mammoth and Pink.

Fringed.

Extra large flowers semi-double and single, petals finely curled and fringed; colors shell-pink; rose, and ruby-red. Mixed colors only.

20 cts.; \$2.00 per doz. By express, \$15 per 100.



Double Hollyhock

Hyacinthus Candicans. 20 to 30 white, pendant, bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. Should be planted rather close for mutual support, preferably in straight lines, and be heavily mulched as winter protection. 3 for 25 cts.; \$1.00 per dozen.

HYPERICUM—Henryi. (Gold Flower.) Forms a shrubby, recumbent bush, 2 to 2½ feet high, of smooth purplish arching stems. Single, 2 inch or larger bright golden flowers, the rich color heightened by the many tufted yellow stamens with reddish anthers. Their foliage is fern like, with dark, shiny upper surface, richly contrastive to the abundant bloom which is quite persistent. Does very well in partial shade if soil is not too dry. 2 year plants, 50 cts.; \$5.00 per dozen.

—**Elegans.** Grows upright 6 to 12 inches with an abundance of short, ovate foliage and yellow flowers an inch or less across, in terminal panicles. 35 cts. each; \$3.50 per dozen.

INULA—Ensifolia. 2 feet. A rockery plant with narrow leaves; and large yellow flowers in July and August; the rays long, slender and separated.

—**Royleana.** Unbranched stems, with numerous ovate leaves. Flowers large; orange yellow, with conspicuous black buds. **Both—20 cts.; \$2.00 doz.**

S. & H. CO.

JAPAN IRIS SET



Left to right—TOP ROW: Nos. 5, 6 and 1. BOTTOM: Nos. 2, 4, 3 and 7

JAPAN IRIS

Iris Kaempferi. Last of the wonderful Iris procession in point of season; but for size of plant and flowers, shapeliness, richness of coloring, beauty of pattern, and splendor of general effect, is unquestionably accorded first. Their flowers are generally rather flat and wide, often measuring 10 to 12 inches across, appearing in great profusion during June and July after the Germans are through. This class of iris should be cultivated thoroughly and often, to ensure the fullest extent of bloom size and beauty. The following varieties are arranged according to their relative blooming season, the entire collection providing a long succession.

- 1—**Kumo-no-obi**. (Band of Cloud.) The lower and upper petals being nearly equal in size, make a very full flower and a solid blotch of color. A pleasing general effect of lavender, derived from the laying on of white in distinct rays and halo over deep rose. This background is a rare setting for the golden throat and the pure white standards tipped purple.
- 2—**Gekka-no-nami**. (Waves under Moonlight.) Earliest to bloom, and the choicest white; very free. Glistening white with creamy white stigmas.
- 3—**Moniji-no-taki**. (Maple Waterfall.) A choice double variegated variety; bright rosy crimson, beautifully feathered in white. Petaloid-stigmas white, purple crested.
- 4—**Zama-No-Mori**. Only three-petaled, but larger than most; one of the daintiest and most delightful of the delicate toned kinds. White, with a heavy azure blue zone; short white standards margined blue.
- 5—**Koki-no-Iro**. (Purple and Gold.) Enormous double flowers often ten inches across, early and free blooming; one of the very best varieties. Color, rich violet-purple with white petaloids tipped violet. The conspicuous golden throat extends outward in sharp bluish white rays.
- 6—**Uchiu**. (Universe.) Beautiful, six-petaled flowers of largest size, on the longest stems. Color, cerulean blue with golden center and white halo from which radiate many clear white lines. Standards white, tipped blue. This variety covers the longest blooming season and is altogether one of the most attractive.

7—**Mahogany**. Large double flowers; velvet-toned, deep mahogany-red; the erect petaloids prettily crested. 50 cts. each; \$5.00 per dozen.

Unless noted, 35 cts. each; \$3.50 per dozen.

By express, \$3.00 per dozen; \$20.00 per 100.

JAPAN IRIS SET OF THE 7 ABOVE

By mail, for \$2.00; by express, for \$1.75.

INTERMEDIATE IRIS

Handsome, large flowered, medium growing hybrids resultant from crossing the tall bearded Germans with the various Crimean hybrids. These are vigorous, hardy and free flowering, blooming in May just ahead of the taller Germanica class.

Dorothea. Milk white, clouded with porcelain blue, brown reticulations at base of all petals.

Freya. Pearl color, the falls flamed violet. Occasionally produces a fall crop of bloom. 25 cts. each; \$2.50 per doz.

Halfdan. Large flowers of good substance; creamy white.

Helge. Lemon yellow with pearl shadings.

Walhalla. Standards lavender, falls wine-red.

Unless noted, 20 cts. each; \$2.00 per dozen.





Alcazar

GERMAN IRIS

Iris Germanica. The "Fleur de Lis" of France, with exquisite, haunting fragrance; second only to the Peony in perennials. Capable of establishment in any kind of soil, they will attain greater perfection of growth and flowering in a damp, or marshy situation.

PRICES. The price per dozen (postpaid) is 10 x price quoted. If included with, or separately shipped by express or freight, deduct 25 cts. per dozen from the mail price.

Alcazar. Very large, broad petals. Standards pale lilac blue with golden bronze throat; falls rich violet purple. Rated 8.9 50 cts.

Ambassadeur. Vigorous growth, with strong three foot stems, and large flowers of great substance. The standards are a murky bronze effect, combining yellow with hyssop-violet. The broad falls are very velvety, a rich carmine-purple. Rated 9.4. \$1.50 each.

Bessie Bailey. A charming new variety of the Chereau type, but with larger and more fragrant bloom, the bright blue edging flaked on to the ivory background more heavily. 60 cts. each.

Candelabra. Light mauve dusted with violet. Falls perfectly limp with sharply defined veins converging to a solid blotch of almost black violet. 30 cts.

Caprice. Flowers large and rounded, rich, rosy-lilac, a little darker in the falls, with the distinctive fragrance of bruised grapes. 30 cts.

Cavalier. A strong, heavy flower; the prettily ruffled standards a medium blue, the falls very dark purple violet. 50 cts.

Corrida. A tall, free-blooming pallida, with rounded flowers of good substance, and rigid stems. A solid light color, aniline blue. Rated 8.3. 75 cts. each.

C. P. Connell. A fine type for massed planting to gain a solid dark blue effect. These flowers are large and substantial, standards and falls alike in shade. 50 cts.

Darius. Ruffled upright petals of canary yellow, falls blotched with lilac blue and daintily feathered with brown towards base. 25 cts.

Johan De Witt. Standards bluish violet; falls deep violet purple veined with white. 25 cts.

Lent A. Williamson. Similar to Alcazar, but broader and more massive, with heavier stalks. The velvety pansy violet falls are emphasized by the intervening bronze-gold center, and the crimped standards of lavender violet. Rated 9.0. 75 cts. each.

Lohengrin. A soft shade of Cattleya rose, except for a weakening to almost white at the claws. 30 cts.

Lord of June. A very tall, full headed variety with a certain air about it; considered to be one of the best. The color is practically solid light blue-violet. Rated 9.1. \$1.00 each.

Loreley. Luscious custard yellow, the falls sharply feathered violet, with emphatic blotch of ultramarine blue towards the end. 30 cts.

Maori King. Short and compact, very free. Standards rich golden yellow, closely incurved; falls velvety red-brown, distinctly feathered. 30 cts.

Maritana. Medium growth; flowers well opened, a dainty duguesclin blue effect from white, blushed and heavily edged with reticulations of lilac blue. 25 cts.

Mme. Gaudichau. (Rated 9.3.) A beautiful violet-blue in the overlapping standards; the drooping falls very dark and velvety in midnight purple. The entire flower is extra large, with stem and plant of commensurate character. \$1.50 each.

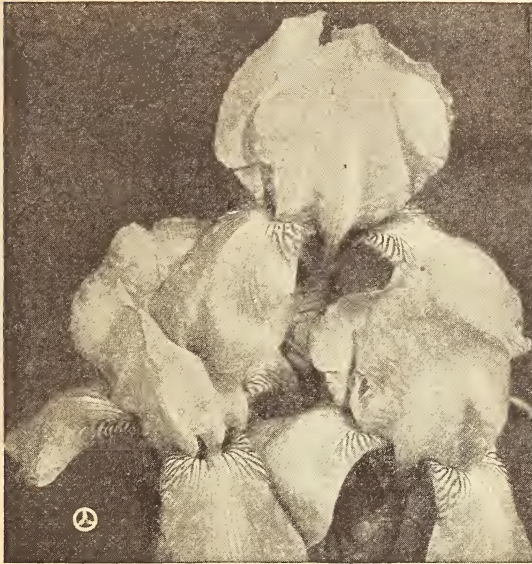
Monsignor. The somberness of its darkly veined crimson purple color enlivened by gleaming violet rays in the standards. 25 cts.

Nibelungen. S. fawn; F. violet, with fawn margin; a handsome variety. 35c.

Oriflamme. Very large, broad petals; the white haft noticeable, in conjunction with the pale gold beard, and base markings in red brown. S. silvery light blue; F. violet purple, weaker at the edge. 40 cts. each.



C. P. Connell



Queen Caterina

GERMAN IRIS—Concluded

Pallida Dalmatica. Tall growing; with very large full-formed flowers of soft lavender, the falls being of deeper hue. 25 cts.

Penelope. Moderate growth and bloom. Color milk white with distinct lilac veining. 25 cts.

Queen Caterina. Extreme delicacy of coloring coupled with unusual vigor, substance and great size. A pleasingly fragrant, one-color iris; azure lilac. A distinctive "moon-light" effect is produced by the silvery coating and reflex, the strong bronze haft, and orange beard. Certainly a choice variety. Rated 9.1. \$1.00 each.

Rhein Nixe. White; the falls heavily blotched and feathered purple; large golden beard. 35 cts.

Shekinah. A new variety of the large flowered pallida type; uniquely beautiful in its rare color. Straw yellow deepening to amber in the throat, with a lemon colored beard. \$1.00 each.

Sherwin-Wright. Solid, all-over buttercup yellow. Bloom very free and long-lasting; no better clear yellow variety. 35c.

Taffeta. Aptly named for its raw-silk texture, and very popular for its unique color effect. The fluted standards are a smoky tan, scapes buff, beard gold, and falls a clouded plum-bago-blue. 75 cts. each.

Tamerlane. Very heavy foliage and late bloom; F. deep purple, S. light blue. 35c.

Toreador. The deeply ruffled plume is a blend of amber, buff and bronze; modified in the broad and horizontally extended falls, by a heavy reticulation of red-maroon. 60 cts. each.

Victorine. Strikingly contrastive, yet dainty. Standards silvery white; falls nearly solid in velvety, deep violet. 30 cts.

Zua. A new introduction of great charm and delicate beauty; the large flowers of decided crepe texture, in color a pale opal blue. \$1.00 each.

Liatris Pycnostachya. (Blazing Star, or Gay Feather.) Unique, mid-summer flowers showing a blaze of light rosy purple from tip to base of each feathery stalk. 4 to 5 feet. 25 cts.; \$2.50 per dozen.

Lathyrus Latifolius. (Hardy Perennial Pea.) A good climbing perennial. Its tendrils cling well to lattice work, but the plant is happiest unrestrained. It makes a splendid covering for wild, rough spots, scrambling hurriedly over stumps and stones and broken ground, concealing their unsightliness with a mantle of fresh green. The numerous, large flowers are typical peas but scentless, in dense clusters, continuous, and long-lasting either on the vine or cut. Offered in separate colors, **Red, Pink or White.** 25 cts. each; \$2.50 per dozen.

LILIES

Complete descriptions on page 83. 100 rate, by express.

	Each	Doz.	Per100
Auratum	\$.30	\$3.00	\$20.00
" Extra.....	.40	4.25	30.00
Batemanniae.....	.30	3.00	.....
Elegans Mixed.....	.25	2.50	.....
Henryi.....	.60	6.50	45.00
Krameri.....	.60	6.50	.....
Longiflorum Giganteum.....	.30	3.00	20.00
" " Extra.....	.50	5.00	.....
Regal —2 years.....	.35	3.50	25.00
" —3 years.....	.50	5.00	38.00
Rubellum.....	.40	4.25	.....
Speciosum Album.....	.35	3.50	25.00
" Rubrum.....	.25	2.50	20.00
Superbum.....	.20	2.00	15.00
Tigrinum.....	.20	2.00	.....
" fl. pl......	.20	2.00	.....
Lily of the Valley.....	.....	.50	3.50
\$30.00 per 1,000.			

LOBELIA—Cardinalis (Cardinal Flower). Intense cardinal-red flowers arranged in stocky spikes 15 to 18 inches long, keep the plant aflame throughout August and September. Naturalizes easily in widely varied soils and degrees of light and moisture.

—**Syphilitica.** Early fall blooming dull blue flowers. 20 cts. each; \$2.00 per dozen.

LYCHNIS—Chalcedonica (Maltese Cross). Heart-lobed stars of brightest vermillion, arranged in large flat panicles. 2½ feet. 20 cts. each; \$2.00 per dozen.

—**Salmon Queen.** Flowers like above; dainty flesh pink. 20 cts. each; \$2.00 per dozen.

—**Viscaria Splendens** (Lamp Flower). Evergreen foliage; in June and July fairly ablaze with close spikes of crimson flowers. 25 cts.; \$2.50 per doz.



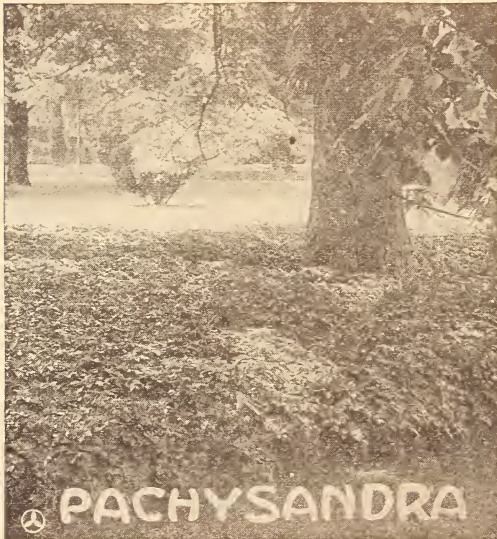
Lychnis Viscaria Splendens



Lythrum Roseum Superbum. Shrubby perennial 2 to 5 feet, at its best in cool and moist location although quite successful in the average border and among shrubs. Bright rose-colored flowers are borne freely in long terminal racemes from June intermittently to Sept. 20 cts. each; \$2.00 per dozen.

Myosotis Palustris. The true "Forget-me-Not," appealing in its modest, azure beauty and cherished for its sentiment. Bushes up to 18 inches high and blooms profusely during early summer. 15 cts.; \$1.50 per dozen; \$10.00 per 100.

Hardy Myrtle (Vinca Minor). A trailing evergreen plant used extensively for carpeting the ground under shrubs or trees where it is too shady for grass



Oriental Poppy

or other plants to thrive. 15 cts. each; \$1.50 per doz.; By express, \$10.00 per 100.

Nierembergia Rivularis (Cup Flower). A dwarf, creeping Alpine plant bearing large cream white, cup-shaped flowers from June till Sept.; a very desirable rockery plant. 20 cts.; \$2.00 per doz.

OENOTHERA. (Evening Primrose.) Fresh foliated plants blooming practically all summer; at home in the rockery or in exposed groups under the hot sun.

—**Missouriensis.** Large, solitary, golden yellow single flowers 3 to 5 inches in diameter; the plant itself prostrate, with ascending branches.

—**Fraseri.** Stiffly branching stems crowned with one to two inch pure yellow flowers.

—**Youngi.** Bright lemon yellow, 1 to 2 inch flowers in numerous small clusters; plant stocky and upright, with shiny foliage, 18 inches.

20 cts. each; \$2.00 per dozen.

Pachysandra Terminalis. (Japanese Spurge.) One of the best ground covering plants particularly valuable in shade, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely, indented foliage is practically evergreen; thick, rubbery, lustrous dark green. It bears small spikes of light colored flowers during May and June. \$2.00 per dozen. By express, \$12.00 per 100; \$100.00 per 1000.

PAPAYER, Orientale. Brilliant "Oriental Poppy" with immense, flaming flowers of orange scarlet, in early spring. 25 cts.; \$2.50 per doz.

—**Princess Victoria Louise.** Large, ruffled salmon pink. 25 cts.; \$2.50 per dozen.

—**Nudicaule.** The "Iceland Poppies" bloom with extravagant freedom during early summer, and in lesser degree throughout; two-inch saucer-shaped flowers, on slender stems, making delightful bouquets, as well as a vivid garden show. **Orange, White and Yellow.** 20 cts. each; \$2.00 per dozen.

PENTSTEMON. Border and rockery plants of long summer blooming season, the flowers somewhat resembling Foxglove, in uncrowded upright spikes.

—**Digitalis.** (3-4'). White tinted with purple, rather large, abruptly inflated.

—**Gordoni Splendens.** (1-2'). Inch long flowers broad at the mouth, bright blue to purplish. 20 cts. each; \$2.00 per dozen.



Baroness Schroeder



Mad. Ducl



Marguerite Gerard

**DOUBLE FLOWERED
HERBACEOUS TYPE.**
—3 to 5 eye divisions.

PEONIES

Unless specially noted,
the price per dozen
is 10 x each price.

BETWEEN the magnificent Rhododendron and the lovely June Rose, comes the Peony. It is used in the same way and in conjunction with its two stately rivals, to continue a bold color display from May to July. While in close harmony with the others, the Peony is more lavish in its bloom and makes the most pretentious show; besides which, it is harder than either and more easily cultivated. Modern culture has developed many superb varieties, with flowers beautifully moulded and expressing the most delicate tints as well as the most intense colors. Their cut blooms are very lasting, and in most cases are exquisitely scented. **Plant Peonies as early in spring as possible.** Plant in deep, rich, well-prepared soil, covering the buds but an inch or two. Do not expect too much of them the first year, as they are a little slow in establishing themselves. A much more extensive list will be available next fall.

Albatre. Milk-white shaded ivory, the interior petals slightly tinged with lilac, which condenses to a carmine thread at the edges. Perfect globular, substantial form, and delightful fragrance; midseason. 75 cts.

Baroness Schroeder. An extra good cut-flower, of large size and full rose type. Opens flesh, but bleaches to pure white; midseason. \$1.50; \$12.50 per dozen.

Couronne d'Or. Late flowers large and broad, white richly illumined by visible collars of golden stamens. 50 cts.

Duchess de Nemours. Large and full; white, uniquely tinged with sulphur green. 35 cts.

Duke of Wellington. Large cones of creamy white; blush guards. 35 cts.

Edulis Superba. Very large, round and fluffy flower, earliest bright rose pink with silvery reflex. 50 cts.

Felix Crousse. Midseason. Large, round heads perfectly double; deep crimson, marked cardinal at base. 75 cts.

Festiva Maxima. High built flowers borne on long stiff stems; the purest white, inner petals slightly tipped carmine. Early. 35 cts.

Germaine Bigot. A splendid bedding variety, the clustered flowers broad and massive, completely enveloping the bush. The rounded petals are an intermingling of pale rose, white and ivory with shell pink suffusion, the golden stamens peeping out. \$1.00.

Karl Rosenfield. A better Peony and a better quality of red than any of the older red sorts; pure, rich, intense crimson. Of half-rose type, it makes and remains a splendid full, rounded flower of excellent substance, equally valuable as cutflowers or garden glow. \$1.50; \$12.50 per dozen.

La Tulipe. A good sized white, with long and wide petals, occasionally blotched, and outside of base streaked with carmine. 60 cts.; \$6.50 per dozen.

L'Indispensable. Tall, late midseason, very free, the flowers of thick globular rose type; uniform flesh pink weakening to white. 60 cts.; \$6.50 per dozen.

Mad. de Verneville. Medium sized, clustered globular flowers, petals crinkly and semi-transparent. Creamy white flaked purple at center. 35 cts.

Mad. Ducl. One of the choicest varieties for cutting, both as to form and color. Shaped like the high-built Chrysanthemums, and colored evenly a warm, true pink, its beauty is irresistible. One of the extremely few kinds to hold its original form to the last. 60 cts.; \$6.50 per dozen.

Mad. Emile Galle. Late blooming; one of the daintiest and most delicate. Shell shaped petals of blush, waxy white at base; center a warm shell pink. The half opened buds are exquisite. 60 cts.

Mad. Forel. Immense rose type; deep, shining pink with silver reflex; one of the best solid pinks. Midseason. 75 cts.

Marguerite Gerard. Magnificent, broad, thick heads of hydrangea pink, marbled on creamy white, enriched by its golden anthers. 60 cts.

Marie Lemoine. (Calot.) Dwarf, late, choice in the bud. White, faintly tinged chamois. 60 cts.

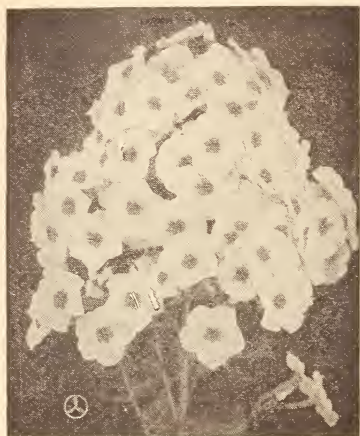
Mons. Dupont. Semi-rose type, late midseason. The flowers are very large, heavy, cup-shaped; ivory white, the central petals splashed with drops of carmine, the whole flower gilded by the stamens which peep out from beneath the petals. 60 cts.

Mons. Jules Elie. The peerless pure pink. Broad reflexing guards with a high pyramidal body of semi-quilled petals converging to an apex; very lasting. 75 cts.

Octavie De May. Very large flat crown. Guards and center pale hydrangea pink, collar almost white. Rather dwarf habit; but free, fragrant, midseason bloom. \$1.25 each; \$10.00 per dozen.

Officinalis Rubra fl. pl. Rich deep crimson; the great Decoration Day Peony. 60 cts.

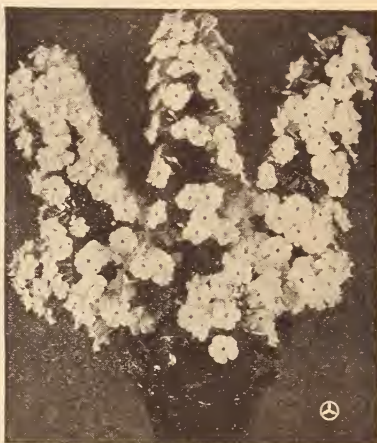
Virginie. Extremely floriferous, very large, and a gorgeous bedding show. Soft pink varied with straw color and white. Although heavily petaled and at first compact, its tendency is to relax and acquire a richer beauty with the revelation of its golden stamens. Blooms lavishly in clusters, and is sweetly fragrant. 50 cts.



Bridesmaid



Feuerbrand



Miss Lingard

HARDY PHLOX

Perennial Phloxes can be used to advantage in the hardy border, in large groups on the lawn, or planted in front of belts of shrubbery, where, by judicious pinching back and removing faded flowers, a constant succession of bloom may be had until frost.

Included among the selected standard varieties of our list are 12 choice European creations just recently introduced to this country, our catalog having shared in their initial appearance. For your convenience, we note these novelties by a star (*) in front of name.

Strong field grown roots.

Price per dozen = 10 × each rate.

Unless noted, 20 cts. each; \$2.00 per dozen.

By express, \$16.00 per 100.

***Baron van Dedem.** Large trusses and florets, a beautiful shade of orange-red tinged with old rose. 35 cts.

B. Comte. Brilliant, rich and highly pleasing to the eye; French purple. 35 cts.



Giant Rose

Bridesmaid. Beautiful trusses, with cup-shaped florets; flushed white, with large crimson eye.

Champs Elysee. Brilliant crimson purple flowers, in broad heads. A reliable old kind.

***Commander.** Exceptionally large flowered, with strong and bushy growth. Luminous cherry-red with conspicuous dark eye. 40 cts. (See color illustration on back cover.)

Daybreak. Dainty sea-shell pink.

***Deutschland.** Glittering orange carmine, deeper at center. A tall-growing, very showy variety. 50 cts.

***Dr. Charcot.** Deep violet ground, with a jagged flare of white at center. 35 cts. each.

Eclaireur. Purple crimson, with light aureole. A reliable old kind for continuous and deep color effect.

***Electra.** An interesting color shade; intense carmine, shot with violet. 35 cts.

***Feuerbrand.** Cerise and vermillion flamed with orange; one of the largest flowered in the orange-red section. 35 cts.

Fraulein G. Von Lassburg. Moderate height, flowers and truss of extreme size, purest waxy white.

***Gen. van Heutz.** A blue-eyed beauty. Soft salmon red; small carmine center with white iris, and fringing rays of light blue. 35 cts.

Giant Rose. Immense florets in even trusses, the prominent carmine center lightly haloed, petals otherwise a soft rose pink. 30 cts.

***Gruppenkönigan.** Very fresh and dainty in its flesh pink color, with a drop of blood at center. 35 cts. each

La Vague. Immense, conical heads, borne in great profusion. Warm mauve with emphatic carmine eye; giving a general effect of lilac.

Lord Raleigh. Dwarf border type; good sized trusses of medium florets; light purplish violet. At its best towards evening, or in cloudy weather.

Mad. Benzanson. Close trusses of small florets; roseate salmon-red, with velvety maroon eye; dark stems.

***Mia Ruys.** A much branched dwarf type not over 18 inches high, producing extra large flowers and trusses of pure, waxy white. 35 cts. each.

Miss Lingard. Longest spikes of any Phlox—blossoms from the ground up; the earliest blooming, sweetly fragrant. Waxy white, with small lavender eye.



HARDY PHLOX—Continued

Mrs. Charles Dorr. Extra tall; with extra long, compact, pyramidal spikes of moderate sized florets. Its color is unique and attractive, a solid blue-mauve.

***Mrs. Ethel Pritchard.** A beautiful self shade of rose-mauve. One of the extra fine new sorts, and would be a rare solid true lavender, were it not for a certain luminous warmth which gives it a livelier expression. 40 cts. (See illustration on back cover).

***Mrs. Milly van Hoboken.** Shell pink with silvered reverse and varying mauve suffusion, the general color effect brightly enriched by the carmine eye. Large, shapely trusses and florets. 40 cts. each.

Mrs. Wm. Jenkins. An early and free bloomer, one of the best tall varieties. Flowers pure white.

Rheinlander. A rare salmon-pink, intensified by a distinct claret-red eye. Big flowers and truss. 30 cts.

Richard Wallace. A thrifty, violet-eyed white.

Ryndstrom. A lively Neyron shade of rose-pink. The standard solid deep pink variety.

***Septembergluth.** Tall growth and vivid color effect; dark salmony carmine. 35 cts. each.

Special France. A recently new sort with beautiful, even trusses, the florets very large. Color tender rose to blush pink, given distinguishment by the large eye of carmine-rose.

Thor. A charming variety with very large flowers; soft, ruddy salmon with a bleached mottling about the eye of aniline red. 25 cts.

Unless noted, 20 cts. each; \$2.00 per dozen.

By express, \$16.00 per 100.

PHLOX SUBULATA

Ground covering, creeping phlox, or "Moss Pink." Often used for covering graves, surrounding old stumps and even large growing trees.

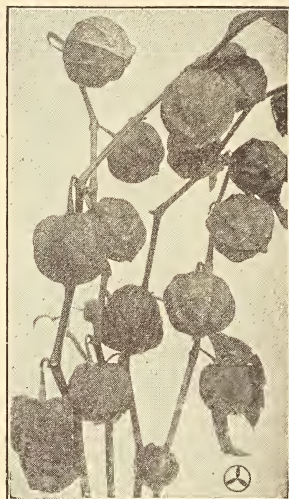
Rosea. Bright rose-pink flowers. } 20 cts. each;
Alba. White. } \$2.00 per dozen.



Special France

PHYSALIS FRANCHETI

A unique and interesting novelty plant, grown for the high-colored, bladder-like fruits which cover the bush in late summer and autumn. These fruits average 1½ to 2 inches in diameter, and by reason of their shape and texture, the bush is popularly called the "Chinese Lantern Plant." Branches of fruit may be dried for winter decoration. 3 for 50 cts.; \$2.00 per doz.



PHYSOSTEGIA. Handsome mid-summer flowering plants, 2 to 4 feet high; bearing broad trusses of tubular flowers of delicate but conspicuous beauty.

—**Speciosa Alba.** Pure white, very large, dense.

—**Virginica.** Delicate purplish rose.

20 cts.; \$2.00 per dozen.

Hardy Garden Pinks. Spice-scented bloom in prime during May and June, but intermittently throughout the season. They make compact clumps a foot or more in height.

Delicata. Soft, delicate rose pink and cream.

Elsie. Bright rose, with maroon center.

Her Majesty. Double, but smooth-edged, pure white.

Juliette. White, laced with crimson.

Plumarius (Clove Pinks). Single flowers continuous; lavender purple and white.

Variegated Reserve. White, mottled rosy red.

White Reserve. White. 25 cts.; \$2.50 per doz.

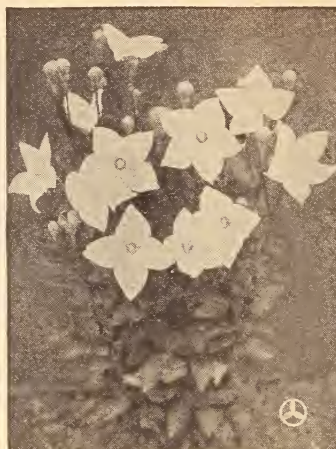
By express, \$18 per 100.

Mixed Hardy Pinks. 20 cts.; \$2.00 per doz. By express, \$15.00 per 100.





Pyrethrum Hybridum



Platycodon Mariessi

—the Dwarf Balloon Flower



Scabiosa Caucasica

PLATYCODON Grandiflorum (Balloon Flower).

Blooms constantly from July until late in September; flowers large bell-shaped, in numerous loose racemes.

Blue or White. 3 for 40 cts.; \$1.50 per dozen.

—**Mariessi.** Numerous, two inch dark blue bells. Dwarf growing; one of the most useful border plants. 3 for 40 cts.; \$1.50 per dozen.

Plumbago Larpentae (Lead-wort). An attractive 12 inch edging plant. The tiny leaves of apple green are a rich setting for spiky red buds, and clusters of phlox-like cobalt blue flowers late in summer. 20 cts.; \$2.00 per doz. By express, \$18.00 per 100.

POLYANTHUS—Giant Yellow. A favorite garden form of hardy Primrose, resplendent thruout the spring months with full racemes of large golden yellow flowers. 20 cts.; \$2.00 per dozen.

—**Crimson Giant.** Red, variegated with yellow. 20 cts.; \$2.00 per dozen.

Pyrethrum Hybridum. (Painted Daisy.) A very satisfactory and profitable species which provides not only a colorful garden show from June on thruout the summer, but also a charming cut flower. The flower construction varies from a full petaled anemone shape, thus resembling the Marguerites, to a larger size in plain single. The colors are mostly bright in shades of red and pink, a mixture revealing considerable diversity which increases their effectiveness. **Mixed.** 20 cts.; \$2.00 per dozen.



Polyanthus Giant Yellow

—**RUDBECKIA—“Golden Glow.”** 5 to 7 feet. Double, golden-yellow flowers, early summer until frost. 15 cts.; \$1.50 per dozen. \$10.00 per 100.

—**Purpurea** (Purple Cone-flower). Large drooping petals colored reddish purple, with a remarkably large cone-shaped center of brown, thickly set with golden tips in spiral lines. 2 to 3 feet. 20 cts.; \$2.00 per dozen.

Saxifraga (Rockfoil). Useful for front of the border or rockeries, their 12 inch growth of broad green foliage being effective all the year; their dainty umbels of flowers breaking out very early in spring.

—**Cordifolia.** Light pink. 20 cts. each; \$2.00 per doz.

Scabiosa. Very showy, freely produced cutflowers, on stems 18 to 24 inches long; June-Sept.

—**Caucasica** (Blue Bonnet). A soft lavender blue.

—**Alba.** Flowers pure white.

20 cts.; \$2.00 per dozen.

SEDUM (Stone Crop). Hardy plants which can be used to advantage in poor, sandy or rocky soil, which would be otherwise barren.

—**Acre** (Golden Moss). Very dwarf and compact, largely used for edging, or for carpeting graves. Foliage green, the all-covering flowers bright yellow. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.

—**Spectabilis.** Of upright growth, 15 to 18 inches high. Foliage, rounded, thick and rubbery, crowned with massive flat cymes of light rose-colored flowers. 20 cts.; \$2.00 per dozen.

—**Brilliant.** A new form of above, with dark crimson flowers. 25 cts.; \$2.50 per dozen.

Spirea Ulmaria (Meadow Sweet). Adapted best to partially shaded, moist location; its handsome foliage and three foot plumes of double white flowers at their best in July. 20 cts.; \$2.00 per dozen.

Stachys Lanata (Woundwort). Strong foliage contrast; the dense leafage being a sheeny silver white, with the wooly surface and substance of felt. Small spikes of light purple flowers appear in July and August. 1 ft. 20 cts.; \$2.00 per dozen.

Statice Latifolia (Sea Lavender). Grows 15 to 18 inches high in clumps of thick, leathery foliage, with loose panicles of tiny delicate blue flowers, in heads 18 inches or more across. Will last for months if carefully dried. 25 cts.; \$2.50 per dozen.

Stokesia Cyanea (Stoke's Aster). July to October. Flowers of Centaurea shape, often measure 4 to 5 inches across, bright lavender blue. 1½ to 2 feet. 20 cts.; \$2.00 per dozen.



The "Red Hot Poker"

Veronica Longifolia
Subsessilis

Spirea Ulmaria

THALICTRUM (Meadow Rue.) Fine cut foliage and great spreading heads of small flowers corresponding in a way with Gypsophila and Statice.

—**Adiantifolium** (2'). Foliage like maiden-hair fern. Flowers in June or July, a tinted white.

—**Dipterocarpum**. (4'). Aug.-Sept. bloom in profuse sprays; lilac mauve, brightened by a bunch of lemon yellow stamens and anthers.

25 cts. each; \$2.50 per dozen.

Tradescantia Virginica Alba. (Spiderwort.) 2 ft. Richly green foliage and clustered white blossoms an inch wide; all summer. 20 cts.; \$2.00 per dozen.

TRITOMA. (Red Hot Poker.) Rush-like foliage supports smooth thick flower stalks a yard long, with a single fiery cone at the top. Must be protected or else carried dormant in dry sand during winter.

—**Pfitzeri**. Brilliant scarlet, the opened lower petals rimmed with orange. July-September. 25 cts.; \$2.50 per dozen.

—**Quartiniana**. A thick stalked variety, blooming late in May. Orange red at first, but yellow on bottom half as bloom matures. 30 cts.; \$3.00 doz.

VALERIANA—Officinalis (Hardy Heliotrope). 3 to 4 ft. Thick spikes of heliotrope scented flowers during June and July; white, slightly roseate. 25 cts.; \$2.50 per doz.

—**Rubra**. 2 ft. Hyacinth-like heads of coral red flowers. June-Oct. 20 cts.; \$2.00 per dozen.

—**Alba**. White flower spikes. 20 cts.; \$2.00 per doz.

VERONICA (Speedwell). Useful for low borders.

—**Bachofeni**. White, pubescent foliage; numerous terminal racemes of warm blue. 1 to 2 feet.

—**Longifolia Subsessilis** (Blue Bird Flower). 2 ft. Leaves roughened bronze-green. Thick spikes of indigo blue, borne abundantly from July on.

20 cts. each; \$2.00 per dozen.

VIOLA (Tufted Pansy). Dwarf edging plants which combine features of both Violet and Pansy. Occasional shearing perpetuates the blooming period.

—**Cornuta**. Even, light blue.

—**Admiration**. Rich dark wine purple.

—**White Perfection**. Clear, waxy white.

15 cts.; \$1.50 per doz. By express, \$10 per 100.

Yucca Filamentosa. (Spanish Bayonet.)

The broad sword-like foliage is evergreen; while midsummer shows great erect branching stems bearing a showy display


of pendant, creamy white bells. 2-year. 25 cts.; \$2.50 per dozen. 3-year, 35 cts.; \$3.50 per dozen.

Hacker's Variegated Leaf Yucca.

Derived from *Yucca Filamentosa*, and conforming closely thereto in form, habit, and paniced bloom—which first occurs at three years on a rigid 3 to 4 foot stalk. The surrounding bayonet-like leaves are dark, bronze-green at center, breaking up with minor stripes to a broad outer edge of yellow. This foliage is permanent, assuming a contrastive purple tinge against winter's snow. A very striking punctuation plant among solid colors for summer show, and ranking with evergreens for winter usefulness; perfectly hardy in extremes of either cold or heat. Strong 1 year plants, \$1.00 each; \$10.00 per dozen.



HARDY ORNAMENTAL SHRUBS

120 All Shrubs are Priced for Freight or Express Except Where Specially Stated "Mail Size" 



Double
"Rose of
Sharon"

ABELIA GRANDIFLORA. An attractive dwarf shrub, suitable for a sunny, sheltered position anywhere the winters are not extreme; with small shiny foliage which is almost evergreen. The flowers are small, but very pretty and numerous, in loose terminal panicles; color, white flushed with pink. This shrub is rarely without some bloom from June into November. 1½ to 2 ft.—65 cts.; \$6.00 per 10.

ALMOND. Early spring flowering shrubs, gaily in full bloom before the leaves appear, with beautiful, double flowers of rose or white, snuggling tight to the twigs.

—**Double white and Double Pink,** 1½ to 2 feet—75 cts. each; \$6.50 per 10. 2 to 3 feet—85 cts. each; \$7.50 per 10.

AMORPHA FRUTICOSA. Grows 6 to 10 feet high in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue, in June. 2 to 3 feet—50 cts. each; \$4.00 per 10.



Red-leaf Barberry

ALTHEA. (Rose of Sharon.) Bloom late in August and September, with a profusion of large and brightly colored flowers much like the tender Hibiscus in form. These are the color spots of fall, as Lilacs and Wiegels are of spring. The late appearing foliage is extra good and valuable for its beauty alone. Grown in standard form, they attain 10 to 12 feet in height and make attractive specimens. Planted more compactly and occasionally pruned, they are both serviceable and showy as hedges. Should not be planted in very cold northern sections.

—**Double Rose, Double White, Double Purple.**

—**Double Red and Double Striped.**

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—75 cts. each; \$6.50 per 10.

—**Totus Albus.** Handsome single flowers of largest size, pure white except for a creamy tone at center. 2 to 3 feet—75 cts. each; \$6.50 per 10. 3 to 4 feet—85 cts. each; \$7.50 per 10.

—**Variegated Leaved.** This is one of the handsomest variegated leaved shrubs that grows. The Althea foliage is always attractive; but nothing else can equal their charm when broadly blotched and banded with cream and silver.

1½ to 2 feet—85 cts. each; \$7.50 per 10.

—**Tree Shaped, Double.** Headed up in tree form for use as solitary specimens, or in groups with dwarfed shrubs beneath the spreading top. **Pink, Purple, Red or White,** 3 to 4 feet—85 cts. each; \$7.50 per 10.

Purple, Red or White, 4 to 5 feet—\$1.00 each; \$9.00 per 10.

ARALIA PENTAPHYLLA. Long, slender, gracefully arching branches and bright green, compound foliage. Makes a small tree in time, especially attractive on rocky slopes. Greenish white flowers in long umbels. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—90 cts. each; \$8.00 per 10.

ARONIA. (Chokeberry.) Attractive, perfectly hardy shrubs preferring moist location, but equally good in dry soil. Leaves are smooth, pale green, coloring vividly to red in fall. Flowers are a tinted white in numerous small corymbs, succeeded by conspicuous, persistent berry-like fruits.

—**Arbutifolia.** Upright, 6 to 10 feet; very pretty in April and May with an abundance of white flowers; its red fall fruits carrying well into winter.

2 to 3 feet—80 cts. each; \$7.00 per 10.

3 to 4 feet—\$1.00 each; \$9.00 per 10.

NEW RED-LEAVED BARBERRY

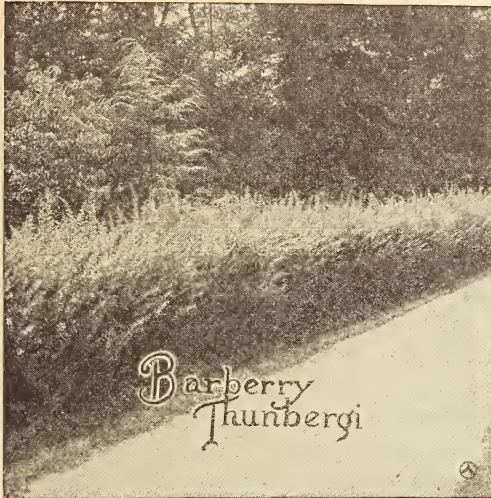
Berberis Thunbergi Atropurpurea

A highly important introduction among shrubs, giving us for the first time a practical easily grown shrub of medium height, with good distinctly red foliage. This must prove a boon to all types of landscaping, where studied contrasts are to be worked out with the shrub foliage depended on for colors. *Atropurpurea* is an exact reproduction of *Thunbergi* in every way—habit, leaf-formation and fruiting; but, whereas the original is a deep green from spring until fall, this variety starts off in its first foliage a warm bronzy red; the heat of summer intensifying its red brilliancy; autumn adding other tints to its richness. The abundant scarlet berries persist thruout winter along the dense network of spiny twigs. A sunny exposure is necessary to bring out and retain its full red color.

1 yr.—75 cts. each; \$6.00 per 10; \$50.00 per 100.

2 yr.—\$1.00 each; 8.00 per 10; 75.00 per 100.

3 yr.—2.50 each; 20.00 per 10; 175.00 per 100.



BERBERIS Thunbergii. (Japan Barberry.) There is no shrub in existence so generally planted or more practical for all purposes where beautiful foliage effect is desired, than this. It is dwarf growing, uniformly bushy and rounded in form, susceptible to formal pruning, with small, numerous leaves densely covering the thorny twigs. These give it paramount importance for use as a filler, and edging for shrubbery groups; as a foundation screen in front of porches; and, above all, as a compact, impassable, hardy, low hedge for confining lawns or dividing properties. Although variable in accordance with seasonable conditions, autumn paints the foliage scarlet or bronze, and studs the branches with crimson fruits. 1 year mail size 20 cts. each; \$1.50 per 10; \$12.00 per 100.

	Per 10	Per 100	Per 1000
12 to 18 inches.....	\$2.00	\$15.00	\$140.00
18 to 24 inches.....	3.00	25.00	200.00
24 to 30 inches.....	4.00	35.00	300.00



Buddleia Magnifica

BOX-BARBERRY. An improved Thunbergi type, inheriting the barberry hardness, and in every other way available like its parent; but with foliage so round and dense, and growth so evenly compact, it bears a striking resemblance to Boxwood. Slower and lower growing than Thunbergi, its density allows closer trimming; so that—again like Boxwood,—sheared specimens may be trained into perfect globes or pyramids, as well as the cropped hedge.

2 yrs.—8 to 10 in., 40 cts.; \$3.50 per 10; \$30 per 100.

2 yrs.—10 to 12 in., 50 cts.; \$4.50 per 10; \$40 per 100.

3 yrs.—12 to 15 in., 60 cts.; \$5.50 per 10; \$50 per 100.

BUDDLEIA. ("Butterfly Bush," "Summer Lilac.")

Of quick bushy growth; when the lovely bloom-spikes appear in July, the shrub, which had probably died down nearly to the ground during winter, is now a perfect, well-branched specimen of about five feet; radiating a delightful perfume and glowing with the tints and flower shape of the Spring Lilacs.

—**Magnifica.** This variety is one of the hardiest for all sections. Flower spikes 10 inches in length by 3 inches in diameter are not unusual. Color deep violet-rose, with a pronounced orange center; the margins of petals neatly reflexed. 2 yr. 50 cts.; \$4.00 per 10. 1 yr. 20 cts.; \$1.80 per 10.

—**Farquhari.** Rather dwarf, compact growth; with numerous medium sized flower spikes, rich lilac purple. (See illustration on back cover). 2 yr.—50 cts.; \$4.00 per 10. 1 yr. (Mail size)—20 cts.; \$1.80 per 10.



CALLICARPA PURPUREA. A pretty shrub from 1 to 4 feet high, more at home south of the Ohio, but practical in the North if given a sheltered position and winter protection. It blooms profusely during August with small axillary clusters of pink flowers, these followed by berry-bunches colored a light violet. If top should freeze, young shoots will come up and flower and fruit the next season.

2 to 2½ feet—60 cts. each; \$5.00 per 10



"Sweet
Pepper
Bush"



Cornus Elegantisima Variegata



Cornus Paniculata

CALYCANTHUS. (Carolina All-spice.) A unique shrub growing upright to 6 feet, clothing its straight strong, reddish brown shoots with large glossy leaves, from the axils of which spring odd, double, spicily fragrant flowers of chocolate-red. Mail size, 20 cts. 18 to 24 in.—60 cts. each; \$5.00 per 10.

CARYOPTERIS MASTACANTHUS. (Blue Spirea.) A fine shrubby border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. Not entirely hardy in the north and should be heavily protected. Mail size, 20 cts.; \$1.80 per 10. Strong 2 yr. plants.—40 cts. each; \$3.50 per 10.

CEPHALANTHUS OCCIDENTALIS. (Button Bush.) Forms a dense rounded bush four to six feet high, especially adapted to damp locations; in July covered with large, fragrant, ball shaped greenish white flowers. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

CLETHRA ALNIFOLIA. (Sweet Pepper Bush.) A handsome little shrub, delightfully fragrant in August and September when covered with long, showy wands of creamy white flowers. It is valuable for the front of the border, as it grows only 3 to 5 feet tall, and on account of its pleasing scent, is very popular beneath the house windows. 18 to 24 in.—80 cts. each; \$7.00 per 10.

COLUTEA ARBORESCENS. (Bladder Senna.) Fast growing shrub attaining 15 feet in height, preferring a dry, sunny location. Foliage Acacia-like, flowers pea-shaped in long racemes, yellow and cinnamon-red, followed by red bladder-shaped seed pods. 2 to 3 feet—60 cts. each; \$5.00 per 10.

COMPTONIA ASPLENIFOLIA. (Sweet Fern.) A dwarf native shrub useful to cover banks and dry, sandy or stony soil. The bushes are much branched and twiggy, with fern-like, scented foliage. Brownish flower heads and clusters of slender, inch-long catkins at ends of branchlets, keep them interesting at all times. 18 to 24 inches, 75 cts. each; \$6.50 per 10.

CORNUS—Dogwood. Mainly valuable for their brilliancy of bark and berries, and the handsome variegations of their foliage. All varieties do well in shade. The autumn fruits call in a welcome assemblage of birds; and the tangled mass of highly colored twigs enliven the prevailing somberness of shrubbery in winter.

—**Elegantissima Variegata.** Grows 8 to 10 feet high, with purplish red branches and beautiful silver variegated foliage. This is one of the choicest variegated leaved shrubs, capable of refined compact shape by pruning, of value both summer and winter. 2 to 3 feet—85 cts. each; \$7.50 per 10.

—**Lutea.** A striking yellow branched form of *Stolonifera*, very satisfactory for contrasting. 2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Spaethi Aurea.** Leaves broadly margined yellow; of branchy, spreading habit. 2 to 3 feet—85 cts.; \$7.50 per 10.

—**Paniculata.** (Gray Dogwood.) Grows 6 to 15 feet, but usually compact; showing a profusion of good sized white flowers in June. Berries white, on noticeable red stems. Bark and underside of leaves gray. 2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Sericea.** (Silky Dogwood.) Usually dwarf growing with silky leaves, and dense cymes of greenish white flowers in early summer. Bark purplish, fruits black. 2 to 3 feet—60 cts. each; \$5.00 per 10. } Mail Size—

3 to 4 feet—70 cts. each; \$6.00 per 10. } 20 cts. each.
—**Sibirica.** Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches blood red. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10. Mail size—20 cts. each; \$1.80 per 10.



COTONEASTER

A class of handsome fruiting shrubs with brilliant autumn foliage and vivid fruits which adapt them to rockery and wall adornment, as well as to any usage in well drained soil with plenty of sunlight. These are priced as pot plants, on page 64. **All field grown, plants shipped "balled and burlapped."**

Appplanata. (6 ft.) Bushy; slender, arching stems; fruit bright red. 2 to 3 feet \$1.50 each; \$14.00 per 10. 3 to 4 feet—\$1.75 each; \$16.50 per 10.

Divaricata. (6 ft.) Oval, lustrous, fall crimsoning leaves. Fruits bright red. 18 to 24 inches—\$1.50 ea.; \$14.00 per 10. 2 to 3 feet—\$1.75 each; \$16.50 per 10. 3 to 4 feet—\$2.00 each; \$19.00 per 10.

Horizontalis. Densely spreading, horizontal branches. Shiny oval leaves; persisting scarlet fruits. 12 to 15 inches—\$1.50 each; \$14.00 per 10. 15 to 18 inches—\$2.00 each; \$19.00 per 10.

Nepalensis. (6 ft.) Erect; with oblong acute leaves, dull green above, light green beneath, quite hairy. Flesh-white flowers in nodding cymes; fruits deep scarlet. 2 to 3 feet—\$1.25 each; \$11.50 per 10. 3 to 4 feet—\$1.50 each; \$14.00 per 10.

Nitens. Related to Divaricata, and similar, with broadly oval lustrous leaves; but differing in the pendulous fruit which is purplish black. 2 to 3 feet—\$1.50 each; \$14.00 per 10. 3 to 4 feet—\$1.75 each; \$16.50 per 10.

CYDONIA JAPONICA. (Japan Quince.) Very early in spring this fine old shrub is completely covered with dazzling scarlet flowers; followed by small, quince-shaped fruits which are quite fragrant. Growth bushy with protecting thorns.

18 to 24 in.—60 cts.; \$5.00 per 10; \$40.00 per 100.

DESMODIUM PENDULIFLORUM. (Lespedeza Sieboldi). A fine half-shrub, the long canes of each season's growth usually winter-killed. The stools become stronger, throwing up more shoots and forming a thick shrub 3 to 5 feet high, in showy late summer bloom. Arched branches, and long, close, drooping racemes of purple-magenta flowers. 2 year plants, 60 cts. each; \$5.00 per 10. Mail size, 25 cts.

ELDER. See Sambucus, page 128.

EXCHORDA GRANDIFLORA. (Pearl Bush.) It grows vigorously to a height of 6 to 10 feet. The early buds look like pearls strung on slender threads, May opening them up to long, gleaming sprays of pure white, is one of the showiest shrubs.

2 to 3 feet—70 cts. each; \$6.00 per 10. 3 to 4 feet—80 cts.; \$7.00 per 10. 4 to 5 feet—\$1.00 each.

DEUTZIAS

Shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers, borne thickly in wreaths along their branches in June.

Candidissima. Double pure white flowers.

Crenata. Tall, distinct type; single white.

Crenata, fl. pl. Double white, tinged pink. } MS-20 cts.;
\$1.80

Crenata Rosea. A strong pink suffusion. } per 10.

Watereri. Large, pink, flat flowers in loose racemes.

Above 5 sorts:

2 to 3 feet—60 cts.; \$5.00 per 10; \$45.00 per 100.

3 to 4 feet—70 cts.; \$6.00 per 10; \$55.00 per 100.

Gracilis. (Slender Branched.) Dwarf growing, dense, bushy, its drooping branches wreathed with pure white flowers in May. Also valuable for winter blooming in pots. Mail size, 20 cts. each.

12 to 15 inches—50 cts.; \$4.00 per 10.

15 to 18 inches—60 cts.; \$5.00 per 10.

Boule de Nieve. Dwarf growth but large flowered; creamy white bloom fairly crowding the upper branches. 18 to 24 inches—60 cts. each; \$5.00 per 10.

Carminea. Has same habit as Gracilis, but grows slightly taller and has deep rose colored flowers. 18 to 24 inches—60 cts.; \$5.00 per 10.

Eburnea. A strong growing, free-branching Crenata. The single flowers, are large, white and produced in graceful clusters. 2 to 3 feet—85 cts. each; \$7.50 per 10.

Lemoinei. Medium large flowers of pure white borne in cone-shaped heads. Mail size 25 cts. each.

15 to 18 inches—50 cts. each; \$4.00 per 10.

18 to 24 inches—60 cts. each; \$5.00 per 10.

2 to 3 feet—80 cts. each; \$7.00 per 10.

Magnificata. Of the Crenata type; erect panicles double flowered, a mass of pure white bloom in June. This is one of the handsomest and most conspicuous of all. 2 to 3 feet—80 cts. each; \$7.00 per 10.

Pride of Rochester. Grows 6 to 8 feet high; and blooms in May before the others. Flowers large and free, double, white. Mail size, 25 cts. each.

2 to 3 feet—60 cts. each; \$5.00 per 10.

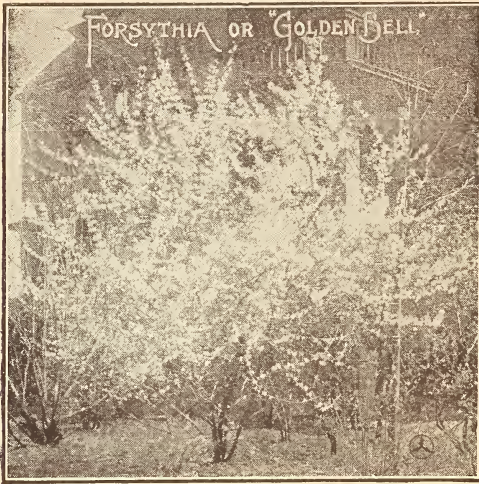
3 to 4 feet—75 cts. each; \$6.50 per 10.

Venusta. Leaves rough, flowers campanulate, in numerous panicles, filaments slightly toothed; pure white. 2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; \$6.00 per 10.



Deutzia Lemoinei



FORSYTHIA (Golden Bell)

These splendid old shrubs growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before leaves appear. The upright forms make excellent tall hedges, and are bright-hued fillers for massed shrub groups; the matted branches of yellowish green quite attractive in winter.

—**Intermedia.** The earliest blooming; the long canes drooping so as to make a solid bank of bright green foliage, to the ground.

—**Viridissima.** Twisted flowers. Not dependable for hardiness in northern latitudes.

—**Fortunei.** The most upright in growth, and consequently oftenest used in the back row of groups.

Above three { 2 to 3 feet—60 cts. each; \$5.00 per 10.
Forsythias { 3 to 4 feet—70 cts. each; \$6.00 per 10.
 { Mail size, 20 cts. each; \$1.80 per 10.

—**Suspensa.** Slender, limply drooping branches strung with bright rosettes of yellow bloom and shiny leaves. These are airily graceful, swaying loose from trellis top or garden wall; or mingle pleasingly with the trailing growth of Honeysuckle, Wichuriana roses and other ground covering vines.
 2 to 3 feet—70 cts. each; \$6.50 per 10.
 3 to 4 feet—80 cts. each; \$7.00 per 10.

FRINGE, Purple (Smoke Tree). *Rhus Cotinus*. A conspicuous spreading shrub or small tree with large clusterly round leaves; overhung in midsummer by mist-like clouds of tiny flowers. These billowing panicles are a light lavender when fresh, very persistent, and give the impression of smoke at a distance. 2 to 3 feet—80 cts. each; \$7.00 per 10.

—**White.** *Chionanthus Virginica*. A very showy shrub, growing to large size; with large leathery, shiny leaves, and lace-like white flowers borne in gracefully drooping panicles. Although tree-like in character, the branches and heavy foliage are usually well furnished close to the ground, making a broad and rounded bush of noble proportions.
 2 to 3 feet—85 cts. each; \$7.50 per 10.

HALESIA TETRAPTERA (Silver Bell Tree). A neat and pretty little tree, with large, dark green leaves. May be grown as a shrub. In May while the leaves are yet small, its branches are hung thickly with small white or pinkish drooping bells about one inch long. These are followed by large and curious winged seeds which impart to it a strangely ornamental effect.
 2 to 3 feet—60 cts. each; \$5.00 per 10.
 3 to 4 feet—80 cts. each; \$7.00 per 10.

BUSH HONEYSUCKLES

Lonicera. The upright Honeysuckles have bright, pretty flowers followed by showy berries that last through the fall. Make very desirable bulky screening hedges, and the nucleus of tall shrub groups.

Bella Albida. A handsome hybrid of strong growth.

Flowers white, in great fragrant clusters, followed by attractive ropes of red berries. Mail size, 25 cts.

Bella Candida. Tall growing; white flowers and plentiful red berries.

Bella Rosea. Like the type, but flowers tinted pale rose pink.

Carpatica. Similar in growth and character to Tart. Alba, but the flowers are light pink.

Above four varieties:

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; \$6.00 per 10.

Fragrantissima. Early pink and white flowers are sweetly fragrant, and foliage remains until late in winter, if somewhat sheltered. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.

Grandiflora Rosea. (Pink Tartarian). Bright pink flowers in abundance, and very fresh, rounded foliage; one of the most noticeable.

2 to 3 ft.—70 cts.; \$6.00 per 10 } Mail size, 25 cts.

3 to 4 ft.—80 cts.; 7.00 per 10 }

Korolkovi (Blue Leaf Hskl.). Small, narrow but numerous bluish green leaves on slender arching stems. The flowers are a pretty light pink, followed by bright red fruits; one of the most attractive.

2 to 3 feet—80 cts. each; \$7.00 per 10. 3 to 4 feet—\$1.00 each; \$9.00 per 10.

Morrowi (Japanese Bush Honeysuckle). A spreading variety growing 4 to 6 feet, with early creamy white flowers, followed by pretty red berries.

2 to 3 feet—60 cts. each; \$5.00 per 10 } Mail size,

3 to 4 feet—70 cts. each; \$6.00 per 10 } 20 cts. each.

Ruprechtiana. A new early flowering variety with showy white flowers, well set with bright red berries in June. 2 to 3 feet—60 cts. each; \$5.00 per 10.

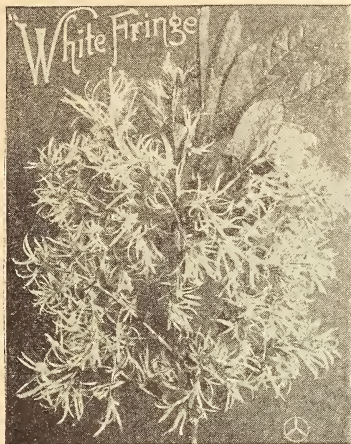
3 to 4 feet—70 cts. each; \$6.00 per 10.

Tartarica Rubra. Sturdy upright growth; flowers light crimson; fruit bright red. 2 to 3 feet—70 cts. each; \$6.00 per 10. 3 to 4 feet—80 cts. each; \$7.00 per 10.

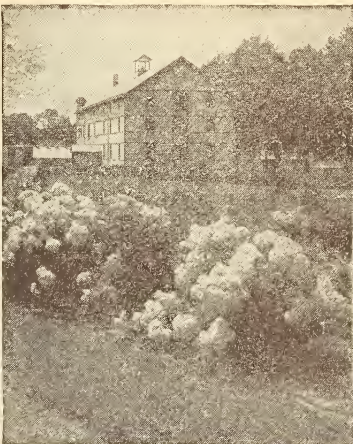
Tartarica Alba. Flowers bluish white. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—70 cts. each; \$6.00 per 10.



A bush of Honeysuckle Grandiflora Rosea



(See P. 124)

**Hydrangea "Hills of Snow"****Hydrangea P. G.**

HYDRANGEA

The massiveness of bloom on these valuable shrubs and their long blooming season, assures them a place in every grouping where solid white effects are required.

Arborescens Grandiflora ("Hills of Snow"). The flowers are, in a large way, similar to the familiar "Snowball" in appearance; conspicuously white and imposing. July to September. By cutting back to the crown each spring, the bushes may be kept round and dense at a normal height of three to five feet. They are excellent for solid low borders or in foundation plantings which will allow for about four feet. 18 to 24 inches—75 cts. each; \$6.50 per 10. 2 to 3 feet—85 cts. each; \$7.50 per 10. Mail size, 25 cts. each; \$2.00 per 10.

Paniculata Grandiflora. Fine tall hedges, or if planted in rich soil and severely pruned every spring before the leaf buds open, will get to be very dense, dwarf clumps of compact form, wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. August till autumn. Planted rather well back in the intervals between other shrubs, the projecting flower wands arching from the ground are extremely conspicuous and effective. 18 to 24 inches—60 cts. each; \$5.00 per 10. 2 to 3 feet—75 cts. each; \$6.50 per 10. Mail size, 25 cts. each; \$2.00 per 10.

—**Tree Shaped.** Very desirable in this form, in formal lines and backgrounds, or solitary; 3 to 4 feet—\$1.25 each; \$11.00 per 10.

HYPERICUM. (Gold Flower.) Attractive, useful, fairly hardy types for dwarf and medium location in shrub groups and foundation plantings. Their dense, rounded construction of fine twigs and small, usually shiny leaves are well adapted to this purpose; with abundant fully distributed yellow bloom.

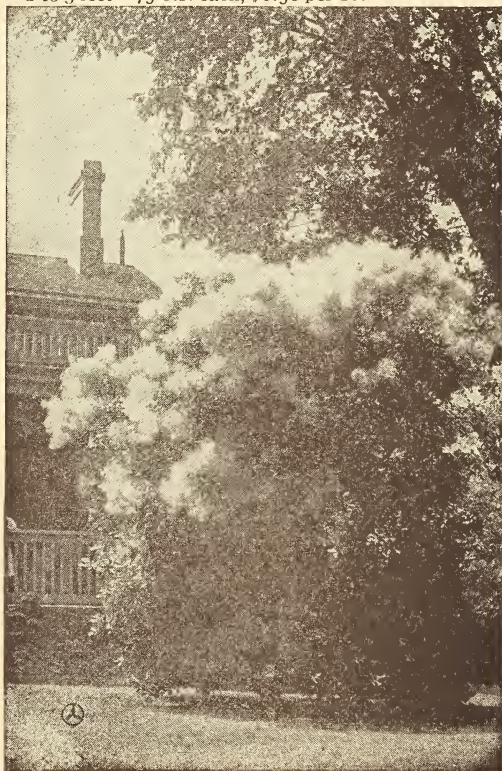
—**Aureum.** 3 ft. Woody, stiff, dense, top often globular like a little tree. Leaves leathery, bluish green. Flowers in cymes, yellow with golden filaments at center. 1½ to 2 feet—60 cts. each; \$5.00 per 10.

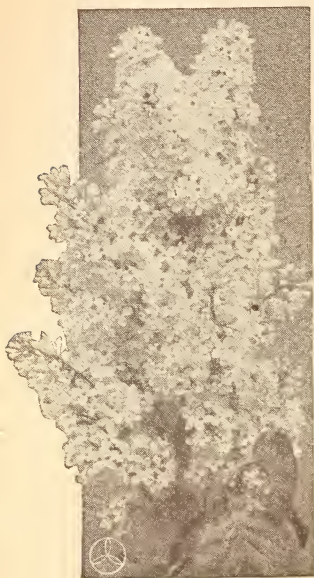
—**Henryi.** A spreading, somewhat procumbent shrub with smooth, purplish, arching branches; quite vigorous and hardy. Yellow flowers 2 to 2½ inches across. 2 year—60 cts.; \$5.00 per 10.

—**Prolificum.** Of variable growth up to 5 feet; abundant dark glossy leaves. Blooms profusely with ½ to 1-inch yellow flowers in several to many axillary cymes. 18 to 24 inches—60 cts.; \$5.00 per 10.

ILEX VERTICILLATA. (Black Alder or Winterberry.) Although its small June flowers are numerous and foliage darkly lustrous, the sparkling masses of crimson fruits which appear in October represent its greatest charm and carry its value far into Winter. 1½ to 2 feet—\$1.00 each; \$8.50 per 10.

KERRIA JAPONICA Fl. Pl. (Double Japan Cornchorus.) A very bright and cheerful dwarf shrub. Its very numerous branches are graceful, slender, shiny, arching; its leaves serrated; stems and foliage alike a brilliant green. Its abundant double flowers like half opened rose buds, rich yellow. Suitable and very desirable for sheltered foundation planting. 2 to 3 feet—75 cts. each; \$6.50 per 10.

**Purple Fringe**—(See P. 124)



French Lilacs



The Lilacs in University Circle, Cleveland

LILACS (Syringa)

Common Purple. Most suitable for tall hedges.

2 to 3 feet—60 cts. each; \$5.00 per 10 (Mail size, 20 c.;
3 to 4 feet—70 cts. each; \$6.00 per 10) \$1.80 per 10.

Common White. Taller and more slender than the purple flowered. 2 to 3 feet—\$1.00 each; \$9.00 per 10.

Japonica. (Japan Tree Lilac). Grows to 30 feet, and makes a beautiful lawn specimen. Flowers appear in great profusion during June or July, creamy white in slender plumes 15 to 20 inches long. 1½ to 2 feet—80 cts. each; \$7.00 per 10.

Persian Purple. Dwarf growing with slender branches and narrow leaves; a choice foundation subject. 2 to 3 feet—75 cts. each; \$6.50 per 10.
3 to 4 feet—85 cts. each; \$7.50 per 10.

Rothomagensis (Rouen Lilac). Grows 10 to 12 feet high; immense reddish-purple panicles in May. 2 to 3 feet—75 cts. each; \$6.50 per 10. 3 to 4 feet—85 cts. each; \$7.50 per 10.

Villosa. Dwarf growth, broad leaved; pinkish lilac flowers in long loose panicles. Mail size, 25 cts. 2 to 3 feet—75 cts. each; \$6.50 per 10. 3 to 4 feet—85 cts. each; \$7.50 per 10.

French Named Lilacs. Perfected flower types in size, form, freedom and color. These hybrids give a vast amount of fragrant spring bloom, in varied shades. The growth is comparatively short and stocky, easily trained into round-headed small tree formation—in fact most of ours are tree form.

—**Alphonse Lavalle (D).** Broad panicles, violet blue.

—**Belle de Nancy (D).** Great panicles of satiny rose, with a center almost white.

—**Charles Joly (D).** Rather low in growth. Compact flower heads very rich, violet and wine purple.

—**Gloire de Lorraine.** Single. Splendid large trusses; crimson pink in the bud, opening out to clear mauve. Dwarf growing.

—**La Tour d'Auvergne (D).** Of notable strong growth; flowers large, violet purple.

—**Mad. Abel Chatenay (D).** Beautiful globular buds like Lily-of-the-Valley, reluctantly opening up, but eventually a massive truss; snow white.

—**Michael Buchner (D).** Dwarf and stocky. delicately beautiful trusses of pale lilac color.

—**Mme. Lemoine (D).** Pure white.

—**Monument Carnot.** Semi-double, opening wide. Large florets and panicles of pale lilac.

—**Negro.** Single. Loosely built, long panicles with deep tube and wide bells; heavy violet overcast with wine red; one of the darkest colored.

—**Obelisque (D).** Full, compact clusters; the globular buds opening prettily; pure white.

—**President Grevy (D).** Slender tube and scapes of rosy mauve, the open face a prettily contrasting shade of bright blue.

—**Souv. de Ludwig Spaeth.** Single. Darkest of the blues—a deep purplish shade—in long panicles.

—**Vivian-Morel (D).** Intermingled blue and white petals, reverse deep purplish rose.

2 to 3 feet—\$1.00 each; \$ 9.00 per 10.

3 to 4 feet—\$1.25 each; \$11.50 per 10.

PHOTINIA VILLOSA. Of varying height but normally medium, liberally set with small corymbs of white flowers in June. The foliage is gorgeously-red in the fall; and the bird-proof fruit-clusters carry the same scarlet gleam half through winter.

2 to 3 feet—75 cts. each; \$6.50 per 10.

3 to 4 feet—85 cts. each; \$7.50 per 10.

POTENTILLA FRUTICOSA. (Shrubby Cinquefoil.) A bright flowered little shrub that thrives in moist places where many others refuse to grow. Of upright growth; with narrow, compound, silky foliage, and bright yellow flowers from mid-summer until frost. 18 to 24 inches—60 cts. each; \$5.00 per 10.

PRUNUS Pissardi (Purple-leaved Plum). A distinct and handsome little shrub, covered with a mass of small, white, single flowers in spring; later, with showy pinkish purple leaves that deepen in color.

2 to 3 feet— 75 cts. each; \$7.00 per 10.

3 to 4 feet— 85 cts. each; \$8.00 per 10.

4 to 5 feet—\$1.00 each; \$9.00 per 10.

—**Triloba** (Double Flowered Plum). A charming shrub of vigorous growth. Very early in spring, before its leaves appear, the whole tree is decked in a fleecy cloud of very double light pink blossoms. Its effect on a still leafless landscape is very bright.

2 to 3 feet—\$1.00 each; \$9.00 per 10.

3 to 4 feet—\$1.25 each; \$11.50 per 10.



PHILADELPHUS (Mock Orange)

One of the best shrubs, the taller growing sorts largely used for hedges. The flowers are very profuse, similar to strawberry blossoms but larger, white with a rich creamy tinge imparted by the golden stamens.

NEW VARIETIES

Banniere. A tall shrub with long branches covered with a profusion of large semi-double snow-white flowers. Extra fine and very early; the foliage large, dark green. 1½ to 2 feet—70 cts. each; \$6.00 per 10.

Dame Blanche. Semi-double flowers of creamy white, produced in greatest profusion. Grows not much over 4 feet; and is in all respects a satisfactory shrub for either specimen use or in medium grouping. 15 to 18 inches—60 cts. each; \$5.00 per 10. 18 to 24 inches—70 cts. each; \$6.00 per 10.

Favorite. Large single flowers—3 inches wide, —pure white with a bunch of golden stamens; erect growth and glossy foliage. 18 to 24 inches—70 cts. each; \$6.00 per 10.

Glacier. This variety is one of the very best and most valuable of the many new kinds. The flowers are a wonderfully attractive type; double, rich cream color, produced in thick clusters of six or seven, giving the effect of one enormous double flower. Matures to a height of five feet. 18 to 24 inches—75 cts. each, \$6.50 per 10.

Norma. Matures to 8 feet or more; strong growing. The flowers are of great individual size, single, assembled in good sized sprays; glossy white. 18 to 24 inches—70 cts.; \$6.00 per 10.

Ophelia. Long, gracefully arched branches, laden with a profusion of fragrant single or semi-double white flowers. 15 to 18 inches—70 cts. each; \$6.00 per 10.

Romeo. The flowers are pretty and distinct, being a creamy white with a small purple blotch. Of medium growth, maturing to five to seven feet. 18 to 24 inches—85 cts.; \$7.50 per 10.

Virginalis. A magnificent new variety. (See back cover.) Moderately tall, with good foliage and compact habit. The flowers are the largest, handsomest, and most sweetly fragrant of

any known variety, with longest blooming season.
 1½ to 2 feet—\$1.00 each; 5 for \$4.50 { Mail size,
 2 to 3 feet—\$1.25 each; \$10.00 per 10 { 25 cts.;
 \$2.00 per 10

GENERAL COLLECTION

Aureus (Golden Syringa). Valuable for contrastive grouping, and the best golden leaved shrub. Mail size, 25 cts. 15 to 18 inches—75 cts. each; \$6.50 per 10. 18 to 24 inches—85 cts. each; \$7.50 per 10. 24 to 30 inches—\$1.00 each; \$9.00 per 10.

Coronarius (Garland Syringa). A fine old form, 8 to 10 feet tall, that blooms in May with large white, delightfully scented sprays.

Grandiflorus. Tall. Very large flowers in June.

Gordonianus. Tall. Best late bloomer. July.

Above three sorts:

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; \$6.00 per 10.

4 to 5 feet—\$1.00 each; \$9.00 per 10.

Bouquet Blanc. Close set bunches of double flowers.

1½ to 2 feet—50 cts. each; \$4.00 per 10.

Flore-pleno. Beautiful semi-double white flowers.

1½ to 2 feet—50 cts. each; \$4.00 per 10.

2 to 3 feet—60 cts. each; \$5.00 per 10.

Lemoinei Erectus. Erect growing with fine foliage, flowers in June. 1½ to 2 feet—70 cts. each; \$6.00 per 10. 2 to 3 feet—80 cts. each; \$7.00 per 10.

Manteau d'Hermine. Very dwarf, slender stemmed and small leaved; of upright, dense growth suitable for the foreground of larger shrub types and as a border plant. The pretty white flowers are small, but numerous.

18 to 24 in.—70 cts. each; \$6.50 per 10.

2 to 3 ft.—85 cts. each; \$7.50 per 10.

Mont Blanc. Fragrant and free; medium size flowers, on slender upright branches; tall. 1½ to 2 feet—75 cts. each; \$6.50 per 10.

Nivalis Inodorous. Flowers snow-white, with creamy stamens. 2 to 3 feet—50 cts.; \$4.00 per 10.

Zeyheri. Similar to Coronarius, but not quite so tall; with a variable leaf construction, and quantities of pure white flowers an inch and a half wide. 2 to 3 feet—70 cts. each; \$6.00 per 10.



Philadelphia Coronarius



California Privet in our Nursery Rows

PRIVET—*Ligustrum*

Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn, and make richly green foliage backgrounds against foundation walls. They are almost evergreen, of dense compact habit; useful in shaded places. To plant a single row, set them about 12 inches apart; for a double row, about 18 inches apart each way and alternately.

Price of Privet		Each	10	100	1000
Amurens	18 to 24 in.	\$1.60	\$12.00	\$100.00	
"	2 to 3 ft.	2.00	16.00	140.00	
"	3 to 4 ft.	2.50	20.00		
California	15 to 18 in.	1.00	6.00	50.00	
"	18 to 24 in.	1.20	8.00	65.00	
"	2 to 3 ft.	1.50	10.00	90.00	
English (<i>L. Vulgaris</i>)—					
	18 to 24 inches.	1.20	8.00		
	24 to 30 inches.	2.00	16.00		
Ibodium	18 to 24 in.	1.60	12.00	100.00	
"	— 2 to 3 ft.	2.00	16.00	140.00	
Ibota	18 to 24 in.	1.60	12.00	100.00	
"	2 to 3 ft.	2.00	16.00	140.00	
Lodense	2 yr., 9 to 12 in.	2.00	16.00		
Regel's	15 to 18 in.	2.50	20.00	175.00	
"	18 to 24 in.	3.50	30.00	250.00	
"	2 to 3 ft.	4.50	40.00	300.00	
Variegated	12 to 15 in. ....	.40	3.50	30.00	
"	15 to 18 in. ....	.45	4.00	35.00	
"	18 to 24 in. ....	.60	5.50	50.00	
"	2 to 3 ft. ....	.75	7.00	60.00	

Amoor River (*L. Amurens*). A very hardy northern grown type, vigorously upright and tall growing. The leaves are dark green, somewhat lustrous, tardily deciduous. Makes a strong, bold hedge with quite conspicuous bloom in erect white panicles.

California (*L. Ovalifolium*). Quick growing, straight, densely clothed shoots; the foliage in precise arrangement, a dark shiny green. The handsomest and most generally used of the entire group for hedging, clipped specimens, or for massing; but unfortunately not reliably hardy in the northern section.

English (*L. Vulgaris*). An old time garden type of informal habit. Gray-green bark and foliage, with white flowers and shining black berries.

Japanese (*L. Ibota*). Makes up into striking tall clumps, or informal screening hedges, with wide-spread curving branches; very vigorous and hardy. The foliage is grayish green; showy, fragrant white flower plumes in June, followed by persisting blue-black berries.



Ibodium. A recently introduced hybrid of Ibota and Ovalifolium, expressing the best qualities of each. It is remarkably sturdy and cold-resistant, having attained several feet of uninjured, densely bushy growth upon the storm lashed banks of a light-house island in northern Lake Michigan. Its foliage is lustrous and quite similar to the favorite California variety; with erectly branching habit and quick, substantial development. These qualities should revolutionize the selection and use of Privets in the colder sections of the world.

Lodense. Another outstanding new development in Privets, which converts the beautiful foliage and twig formation of Ovalifolium, onto a slow-growing densely compact dwarf bush which can be used without shearing, for very low hedges and borders. It can be planted close and kept clipped down like Boxwood (which it resembles), but is even more attractive and useful spaced for individual rounded clumps. Altho widely distributed for testing, supply is still comparatively limited.

Regel's (*L. Regelianum*). A strong, very hardy type, with dark and shiny leaves. The numerous branches are stiff, twiggy and horizontally spreading, gracefully drooping at the ends. Makes a naturally wide, dense bush particularly adaptable to foundation plantings.

Variegated. Similar in type of leaf and growth to the California, but of less ruggedness and quick habit. Instead of the conventional smooth green, this novel variety is creamy white over two-thirds of the leaf. May be used to advantage either in hedge rows or as a bright variegation in groups with other shrubs.

RHAMNUS Catharticus (Buckthorn). A dense twiggy bush, 6 to 10 feet high, with dark foliage relieved by masses of attractive white flowers in June and July. Makes a good, prunable hedge. Mail size, \$1.50 per 10.

2 to 3 feet—40 cts.; \$3.50 per 10; \$25.00 per 100.

3 to 4 feet—50 cts.; \$4.00 per 10; \$35.00 per 100.

—Frangula. A large shrub with numerous leafy branches. Leaves dark green, paler beneath, fading with tones of yellow, orange and red. Berries change from red to black in September. Mail size, \$1.50 per 10.

2 to 3 ft.—50 cts.; \$4.00 per 10; \$35.00 per 100.

3 to 4 ft.—60 " 5.00 " 45.00 "

RHODOTYPUS KERRIOIDES (White Kerria). An attractive shrub 3 to 6 feet high, with beautiful yellowish green, corrugated foliage and large, single white flowers late in May, black seeds following.

2 to 3 feet—75 cts. each; \$6.50 per 10.



Buckthorn Hedge—(See Rhamnus, P. 128)



Snowberries

RHUS (Sumac). Picturesque, gnarly, wind-bent rows of Sumac blazing redly in autumn, are familiar landmarks in every country side.

—**Copallina** (Shining Sumac). Tall growing; foliage glossy. Blooms late, with terminal flowers of greenish white in dense panicles. Fruit large, deep crimson. Foliage colors beautifully in fall. 2 to 3 feet—65 cts.; \$6.00 per 10.

—**Glabra** (Smooth Sumac). Grows to a small tree with beautiful leaves which color brightly in Autumn; flowers in July followed by crimson or brown fruits. 2 to 3 feet—50 cts. each; \$4.00 per 10. 3 to 4 feet—60 cts. each; \$5.00 per 10.

—**Typhina Laciniata**. (Cut-leaved Staghorn Sumac). The flowers are borne during June and July in dense terminal panicles, followed by impressive red fruits. Its leaves are deeply cleft, which, if bush is pruned to induced considerable bottom growth, mingles the various angled fronds in a delightful "ferny" effect.

2 to 3 feet—65 cts. each; \$5.50 per 10.
3 to 4 feet—75 cts. each; \$6.50 per 10.

SYMPHORICARPUS. 3 to 5 feet. Highly valued for use in densely shaded situations.

—**Snowberry** (*S. Racemosus*). Inconspicuous, rose colored flowers in June and July; followed by large clustered, milk white fruits which remain far into winter. The combination of pink flowers and white berries on the same twig is charming. Foliage is rounded, clean and fresh looking, a glaucous green. 2 to 3 feet—70 cts.; \$6.00 per 10. } Mail size,
3 to 4 feet—80 cts.; \$7.00 per 10. } 20 cts. each.

—**Indian Currant** (*S. Vulgaris*). Similar to the Snowberry except that its fruits are dull red, and that the smaller berries cluster in thick ropes along the weighed-down stems. The foliage is small, close-set and dark, which with the uniform spread of its branches, compares favorably with the Privets in mass effect. Mail size, 20 cts. each.

2 to 3 feet—60 cts.; \$5.00 per 10.

3 to 4 feet—75 cts.; \$6.00 per 10.

SAMBUCUS (Elder). Coarse growing berried shrubs chiefly grown for their beautiful leaves.

—**Acutiloba**. (Cut-leaved Elder.) Great handsome cymes of delicate, white, fragrant flowers in June and July, followed by large clusters of fruit.

2 to 3 feet—60 cts.; \$5.00 per 10.

3 to 4 feet—70 cts.; \$6.00 per 10.

—**Aurea**. (Golden Elder.) Its golden yellow leaves contrast beautifully with the other shrubs. Flowers white, in flat topped cymes. Grows naturally 10 to 15 feet, but can be pruned into a neat, compact little bush. 2 to 3 feet—60 cts.; \$5.00 per 10.

—**Canadensis**. (American Elder.) Immense flat topped cymes of white flowers in early summer; followed in August and September by luscious black fruits—the source of Mother's "Elderberry pie."

2 to 3 feet—50 cts. each; \$4.00 per 10.

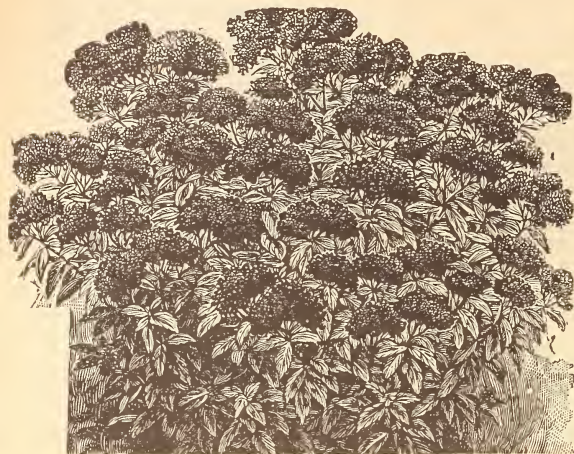
3 to 4 feet—60 cts. each; \$5.00 per 10.

—**Tenuifolia**. (Fringed Leaf Elder.) A distinct type with deeply cleft foliage. 2 to 3 feet, 65 cts. each; \$5.50 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

—**Variegata**. Tall, vigorous, black fruited; its conspicuous leaves quaintly mottled with white and yellow. 2 to 3 feet—60 cts. each; \$5.00 per 10.

—**All Elders, Mail size 20 cts.; \$1.80 per 10.**





Spirea Anthony Waterer

SPIREA

All the Spireas bloom with a riotous extravagance; style, color and habits of growth differing so markedly that a collection of varieties will ensure bloom the entire season and still evade repetition.

DWARF FORMS—2 to 3 feet

Anthony Waterer. Dwarf, bushy, of spreading type, with large corymbs brilliantly colored rosy crimson. Very free flowering, at its best in late summer. This is one of the few good showy red flowered shrubs sufficiently dwarf to be used in foundation plantings or the low front row of shrub groups.

15 to 18 in.—60 cts.; \$5.00 per 10; \$40.00 per 100.
18 to 24 in.—75 " " \$6.50 " " \$55.00 " "

Bumalda. A spreading, low bush with dark leaves brightened by corymbs of pretty light pink flowers in May, and at intervals all summer.

15 to 18 in.—60 cts. each; \$5.00 per 10.
18 to 24 in.—75 " " \$6.50 " "

Callosa Alba. Large flat clusters of white flowers nearly all summer, foliage and growth like above.

15 to 18 in.—60 cts. each; \$5.00 per 10.
18 to 24 in.—75 " " \$6.50 " "

Froebeli. Dwarf, and similar to A. Waterer, but a trifle taller, with broader leaves. Bright crimson flowers in dense corymbs during July and August.

1½ to 2 feet—70 cts. each; \$5.50 per 10.

2 to 3 feet—80 " " 7.50 " "

Wallufi. Blooms in the same broad, graceful panicles, and has the same habit of growth as Anthony Waterer, but retains its depth of color longer, remaining red until flower is old and turns brown.

15 to 18 in.—60 cts. each; \$5.00 per 10.
18 to 24 in.—75 " " \$6.50 " "

TALLER SORTS—3 to 10 feet

Arguta Multiflora (Snow Garland). A slender, upright shrub, 3 to 5 feet high, with branches a snowy mass of clear white flowers in early May.

2 to 3 feet—65 cts. each; \$5.50 per 10.
3 to 4 feet—75 " " 6.50 " "

Douglasi. Upright in growth to 7 feet, with reddish brown branches and narrow, oblong leaves. Bears spikes of beautiful deep rose-colored flowers in July.

2 to 3 feet—50 cts. each; \$4.00 per 10.

Margaritae. A handsome, very free flowering type of medium height up to five feet; in bloom during July and August, with rather large, bright pink flowers in broad corymbs; and elliptic, serrated leaves at times tinged with purple. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; \$5.00 per 10.



Spirea Van Houtte

Nobleana. A hybrid of Douglasi, attaining about 4 feet; mid-summer flowers light pink, in dense pyramidal panicles 3 to 6 inches high. 2 to 3 feet—50 cts.; \$4.00 per 10. 3 to 4 feet—65 cts.; \$5.50 per 10.

Opulifolia. Growth upright, attaining 8 to 10 feet, although the heavy white flower umbels in June make the branches droop; old flower heads turn to dark red, making a striking variety of colors.

2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 " " 5.00 " "

Opulifolia Aurea (Golden Spirea). Of similar habit to above, with young foliage of bright yellow changing to golden bronze in the fall.

2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—70 " " 6.00 " "

Prunifolia fl. pl. (Bridal Wreath). Plum leaved foliage turning in autumn to very brilliant red. Earliest; with small double white clustered flowers.

1½ to 2 feet—60 cts. each; \$5.00 per 10.

2 to 3 feet—75 " " \$6.50 " "

Reevesiana fl. pl. Slender, drooping branches in a charming round bush seldom above four feet. Compact umbels of very double creamy white flowers appear in May and June.

2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 " " 5.00 " "

Regelianum. About 4 feet growth; foliage irregular, bark striped; blooms July-Aug., in broad pink corymbs. 2 to 3 feet—65 cts. each. 3 to 4 feet—80 cts. each.

Salicifolia (Willow Leaved Spirea). Grows to 5 feet. The willow-like foliage is quite shiny and attractive. Crowded panicles of pink flowers in mid-summer.

2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—75 " " 6.50 " "

Thunbergi. Forms a dense, fluffy bush, 3 to 5 feet high; the feathery foliage, which is a peculiar but pleasing shade of yellowish green, changing in autumn to bright red and orange.

18 to 24 in.—70 cts. each; \$6.00 per 10.
24 to 30 in.—80 " " 7.00 " "

Tomentosa (Hardhack). A valuable late blooming sort (July-Sept.) averaging about four feet in height; flowers of deep rose, or even purple, in dense, slender, feathery panicles. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; \$5.00 per 10.

Van Houtte. Grandest of Spireas, one of the best of shrubs; complete fountain of pure white bloom in May and June. The foliage and bush shape is ornamental the year round. Mail size, 20 cts. each.

18 to 24 in. (2 year)—30 cts. each; \$2.00 per 10.
2 to 3 feet—50 cts.; \$4.00 per 10; \$30.00 per 100.
3 to 4 feet—60 cts.; \$5.00 per 10; \$40.00 per 100.

**Viburnum Carlesii****VIBURNUM**

Americanum. (High Bush Cranberry). Similar to Opulus, but more open and spreading, with longer, more numerous, more visible and longer lasting fruits. Broad flower corymbs with usually only the outer fringe fully opened. Fruits bright scarlet, persisting from July until spring, mainly because the birds won't eat them. 1½ to 2 feet—60 cts. each; \$5.00 per 10. 2 to 3 feet—70 cts., \$6.00 per 10.

Carlesii. A valuable recent introduction from Korea, producing its delicate, spice-scented flowers in May and June. The buds before expanding are an attractive pink, developing into Bouvardia-like umbels of pure white. Flowers preserve their perfect form and purity of color an unusually long time. 15 to 18 inches—\$2.00 each; \$18.50 per 10.

Dentatum. (Arrow-wood). 8 to 12 feet. Bright green, heart-shaped leaves turning to purple and red. May and June flowers of creamy white. 2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—75 " " 6.50 "

Lantana. (Wayfaring Tree). 10 to 15 feet. Beautiful wrinkled, Lantana-like leaves; white flowers in May and June. Fruits color unequally from crimson to black. 2 to 3 feet—70 cts. each; \$6.00 per 10.

Opulus. (European Cranberry). 8 to 10 feet. Handsome, dense, brilliant green foliage; a rich setting for large bunches of crimson berries which persist on winter bare branches. Mail size, 20 cts. 1½ to 2 feet—70 cts. each; \$6.00 per 10.

Opulus Nanum. A very dwarf, compact, rounded shrub, with darkly lustrous, irregular leaves, and reddish twigs. It bears no flowers, but is very valuable for low edging in lieu of the less hardy Boxwood. 6 to 8 inch plants—50 cts. each; \$4.00 per 10.

Plicatum. (Japan Snowball). Erect, compact, growing 6 to 8 feet. Purple tinted foliage of beautiful pattern, spangled with perfect ovoid corymbs of purest white, in June.

2 to 3 feet—85 cts. each; \$7.50 per 10.

3 to 4 feet—\$1.20 " " 11.00 "

Sterilis. ("Snowball" or Guelder Rose). The common Snowball which helps out so bravely for Decoration Day, with its lovely white balls of bloom.

18 to 24 inches—70 cts. each; \$6.00 per 10.

2 to 3 feet —90 " " " 8.00 " " "

Tomentosum. A single flowered form of the Japan Snowball, blooming in large flat umbel-like cymes with marginal white flowers in May. Bush broad and symmetrical, with corrugated bronze-green foliage, purple hued beneath. Fruits red, changing to blue-black. 18 to 24 inches—75 cts. each; \$6.50 per 10. 2 to 3 feet—85 cts. each; \$7.50 per 10.

TAMARIX

Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the Juniper.

Gallica. Slender, spreading branches, the leaves dull bluish green. Buds are globose, the flowers flesh white in delicately paniced racemes. May-July.

Indica. A form of above, with more upright branches; dull green leaves; and longer racemes of pink flowers.

Purpurea. First to bloom, in short dense racemes of nearly white flowers on last year's black wood.

2 to 3 feet—50 cts.; \$4.00 per 10. } Mail size,
3 to 4 feet—60 " " 5.00 " } 20 cts. each.

Odessana (Caspian Tamarix). 4 to 6 feet, bushy. Exquisitely feathered foliage of silvery green, blooming in July and August with large loose panicles of lavender-pink flowers. 2 to 3 feet—50 cts.; \$4.00 per 10. 3 to 4 feet—60 cts.; \$5.00 per 10.

WEIGELA—Diervilla

Coarse, thrifty shrubs for medium and back rows up to 8 feet, their delightful blooming period ranging from May into July. The flowers are stemless bells strung along the arching canes in clustered profusion.

Candida. 4 to 6 feet; a choice variety blooming in profusion during June and to some extent all summer. Pure white. 2 to 3 ft.—65 cts. each; \$5.50 per 10.

Desboisi. One of the darkest and best of the rose colored sorts. 2 to 3 feet—55 cts. each; \$4.50 per 10. 3 to 4 feet—65 cts. each; \$5.50 per 10.

Eva Rathke. The most distinct and one of the most attractive varieties; flowers deep carmine red.

1½ to 2 feet—75 cts. each; \$6.50 per 10. } Mail size,
2 to 3 feet—\$1.00 " 9.00 " }
3 to 4 feet—1.20 " 11.00 " } 25 cts.

Hendersoni. One of the strongest growing varieties with large flowers of deep rose. 2 to 3 feet—60 cts.; \$5.00 per 10. 3 to 4 feet—70 cts.; \$6.00 per 10.

Rosea. Most popular of all; tall growing, vigorous, with deep pink flowers in the greatest profusion during June. Mail size, 20 cts.; \$1.80 per 10.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

Rosea Nana Variegata. Leaves broadly margined, creamy white; flowers pink. Dwarf; one of the most useful and choice variegated leaved shrubs.

1½ to 2 feet—60 cts. each; \$5.00 per 10. } Mail size,
2 to 3 feet—75 " " 6.50 " } 25 cts.

Sessilifolia. Good sized cymes in dense terminal panicles, the yellow tube quite striking. Medium height, but stocky. 1½ to 2 feet—65 cts. each; \$5.50 per 10. 2 to 3 feet—80 cts. each; \$7.00 per 10.

Van Houtte. Flowers broad and flat, deep rosy red with orange markings in the throat.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 " " 6.00 "

HARDY ORNAMENTAL CLIMBING VINES

Except noted, all vines offered are 2 year olds.

Except noted, the each rate is alike for Mail or Express; 10 or 100 rate by Express.



Boston Ivy

AKEBIA Quinata. A perfectly hardy, fast growing Japan vine, with magnificent foliage never attacked by insects; producing chocolate purple flowers in large clusters, possessing a most delicious perfume; 2 year—60 cts. each; \$5.00 per 10.

AMPELOPSIS Veitchi. (Boston Ivy.) This is one of the finest hardy climbers we have for covering walls, as it clings firmly to the smoothest surface, covering closely with overlapping foliage, giving appearance of shingles. The color is a fresh deep green in summer, changing to the brightest shades of crimson and yellow in autumn.

2 year—50 cts. each; \$4.50 per 10.

1 year—10 to 12 in. tops, 20 cts. each; \$1.50 per 10.

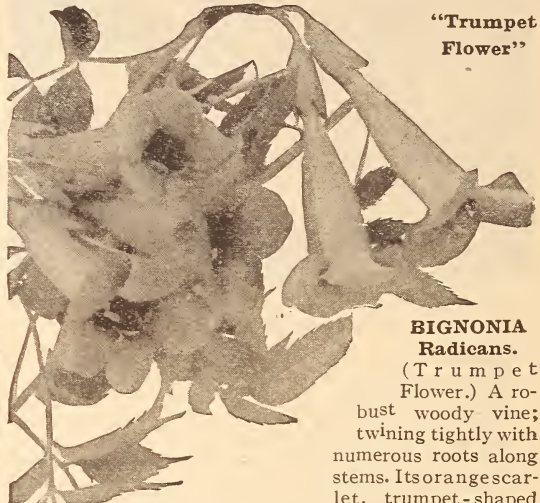
—**Quinquefolia.** (American Ivy, Virginia Creeper, etc.) Deeply cut leaves which turn to a beautiful crimson in fall; fine for covering trees, rocky slopes, walls, etc. 2 year—50 cts. each; \$4.00 per 10.

—**Englemanni.** Similar to above, but with smaller denser foliage. 2 year—50 cts. each; \$4.00 per 10.



ARISTOLOCHIA

Sipho. (Dutchman's Pipe.) Although the brownish, pipe-shaped flowers are interesting, the immense heart-shaped leaves are the important feature, furnishing as they do the most complete screening leafage of any cultivated trellis vine. Of thrifty growth, uniform, shingle-like arrangement and dependable hardiness, they serve conspicuously for shade or ornament, in either sun or shade. 3 year—\$1.00 each.



"Trumpet Flower"

BIGNONIA Radicans.

(Trumpet Flower.) A ro-

bust woody vine; twining tightly with numerous roots along stems. Its orangescarlet, trumpet-shaped

flowers cluster at tip of branches. Leaves light green. Will climb to great heights on trunks of trees, and for every purpose is one of the best vines.

2 year—50 cts. each; \$4.00 per 10.

CLEMATIS. Grand for pillars and trellises, pegged down for bedding and for running over rockwork, old trees and stumps. They delight in rich soil, and sun.

Large Flowered Varieties

—**Henryi.** Creamy white.

—**Jackmani.** Velvety, violet-purple.

—**Mad. Ed. Andre.** A distinct crimson red.

—**Ramona.** Deep sky blue.

2 year—\$1.00 each; \$9.00 per 10.

Small Flowered Varieties.

Coccinea. A very handsome hardy climber, bearing small thick, bell-shaped flowers of bright coral-red, in wonderful profusion from June until frost.

2 year—50 cts. each; \$4.00 per 10.

—**Paniculata.** (Sweet-scented Japan Clematis.) The flowers are of medium size, fragrant, pure white, borne in immense sheets in September.

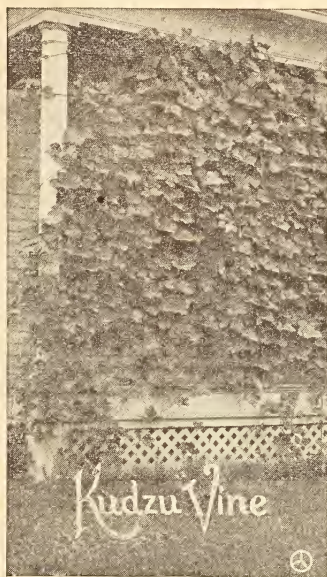
2 year—40 cts. each; \$3.50 per 10.

1 year—Mail size, 20 cts. each; 6 for \$1.00.





Honeysuckle



Kudzu Vine



Wisteria

CELASTRUS Scandens. (Bittersweet.) Handsome glossy foliage and large clusters of beautiful, orange crimson fruits retained all winter. Its graceful sprays of berries make charming winter house decorations. A popular vine for covering rough fences. 2 year—50 cts. each; \$4.00 per 10. 1 year—Mail size, 20 cts. each.

EVONYMUS Radicans. One of the finest evergreen vines, with small, rich green foliage, and pink fruits. For covering rocky banks, rough walls, tree-trunks, etc., also for vases, baskets and borders of beds. Mail size, 20 cts. 15 to 18 inches (bushy) 50 cts. each. \$4.00 per 10.

—**Variegata.** Foliage edged with creamy white, which takes on a pinkish tinge in winter. 12 to 15 inches—40 cts. each; \$3.50 per 10. { Mail size, 15 to 18 inches—60 “ “ 5.00 “ “ 20 cts.

KUDZU VINE. Large foliage and dense shade, growing 50 feet in one season. Flowers plentiful in August; rosy-purple, pea-shaped—in small racemes. A truly remarkable, handsome and serviceable porch vine wherever it is hardy enough to withstand the cold winters. Not reliably safe north of the Ohio river. 1 year—35 cts. each; \$3.00 per 10.

LONICERA. (Honeysuckle.) Their vining qualities are excellent, but the delightful fragrance of their flowers makes their strongest bid for favor.

—**Aurea Reticulata.** (Golden-Leaved Honeysuckle.) Flowers yellow and fragrant. 50 cts.; \$4.00 per 10.

—**Belgica.** (Monthly Fragrant.) One of the prettiest, with numerous sprays of red and yellow. 60 cts. each; \$5.00 per 10.

—**Halleana.** (Hall's Japan Honeysuckle.) Color, an intermingling of white and yellow; extremely fragrant and most satisfactory. Gets along fairly well in partial shade; and is used extensively as a ground cover. 50 cts. each; \$4.00 per 10. Mail size, 20 cts.

—**Sempervirens.** (Scarlet Trumpet Hskl.) Trumpet-shaped flowers of bright scarlet. 60 cts.; \$5.00 per 10.

LYCIUM CHINENSE. (Chinese Matrimony Vine.) A general utility hardy climbing vine that will overcome any obstacle to growth and flourish everywhere. Every new shoot produces handsome purple flowers and later a prodigious crop of scarlet berries nearly an inch long. Is a practical carpet vine and highly efficient as a bank retainer on reasonable

slopes; each joint that presses into the soil taking firm hold and establishing a colony of deep and spreading roots. 40 cts. each; \$3.50 per 10. Mail size, 20 cts. each.

POLYGONUM AUBERTI. (Silver Lace Vine.) This is the latest addition to our list of practical hardy vines, a quick-growing type of twining habit averaging 25 feet in a season. The small, cordate foliage is fresh and shiny, although the base of stalk becomes somewhat woody. Produces more bloom than any other hardy vine, covering a season extending from late summer into the fall with an extravagance of large, foamy sprays in silvery white. 2 year plants—85 cts. each; \$8.00 per 10.

WISTERIA. One of the handsomest subjects for use on pergolas, porches and trellises; with attractive foliage and magnificent dense drooping clusters of pea-shaped flowers, crowning the top.

—**Sinensis.** Blue. Panicles about 12 inches long. 2 year, 75 cts.; \$6.50 per 10.

—**Alba.** White. 2 year, 75 cts.; \$6.50 per 10.

—**Magnifica.** Lavender-purple. 2 year, 60 cts.; \$5.00 per 10.



Silver Lace Vine



Typical Colonial Front—with Full Porch

LANDSCAPING

Every year, particularly right in the busy shipping and planting seasons, this office is besieged by hundreds of appeals for landscape advice and assistance. We stick strictly to the Nursery business, and maintain no Landscape Department—which is another business—consequently we are not equipped to handle these requests. This and succeeding three pages are prepared with intent to give such seekers, a few good general plans to work out themselves.

FOUNDATION PLANTINGS

Suitable planting in front of the house foundation is deemed essential and desirable. From the plans submitted, we believe you may find one to fit your own conditions; they having been designed for general architectural types, of average size.

BACK YARD PLANTING

For tin can, rubbish, garbage and unsightly service posts, modern education and refinement are substituting clipped lawn; straight edged beds; color, fragrance, and flower beauty; the pleasant verdure of shrubs; the cooling shade and dignity of trees. The modern householder now uses the back-yard as an outdoor living room, retiring to its seclusion when the workday is spent, as a sanctuary from toil and strife.

THE HOUSE ON A CORNER LOT

A corner lot imposes double obligation upon its owner; for his house and his planting must be passed upon by two streams of traffic. Our prepared plans will serve here as well, only you must join **two** fronts.



Garage—Central Door—End Porch. Plan 77



THE HOUSE ABOVE STEEP TERRACE

The picture above is a typical situation, well planted, yet each house is a problem by itself. On account of erosion of the soil, all slopes are difficult to sod and mean places to mow. It is therefore good and sensible practice to establish a ground cover; in large areas and the steeper slopes, with various rooting vines and roses fringed by proper shrubs; in gentle slopes and small area with an irregular composite of suitable dwarf shrubs.

HEDGES

Hedges can be planted along the property lines, if desired, in addition to the shrubs assigned on the various plans. If the majority of neighboring lots are hedged in—do you likewise. If open—regard carefully the general effect on the street before you break up the uniformity. A community spirit is admirable.

VINES

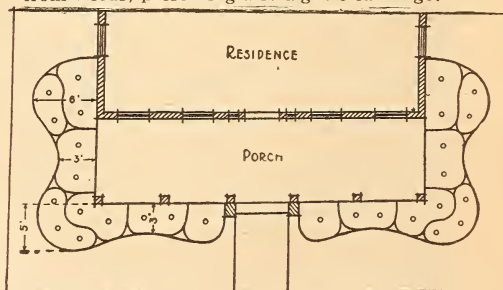
Vines have an important place in all planting schemes; as wall, pillar or fence decorations; for utilitarian purposes of quick screen or shade; for covering grassless ground and eroding banks. Many beautiful artistic effects are possible with proper vines against stone, brick or stucco as well as wood.

PLANTING INSTRUCTION

Preparation. The first step is to study a good catalog and helpful plan (S. & H. Co. preferred); make out and send your complete order; then dig up the planned locations, fertilize or replace the soil; and arrange to plant your order promptly.

Planting. As soon as your shipment arrives, open up and verify stock, then heel-in somewhere in shaded, moist soil. Take out a few at a time to location. Dig holes large and deep enough to receive the roots without cramping; sift fine dirt thruout the network of fibrous roots; fill up, tamp solid, leaving no fissures. Soak thoroughly, and rake the surface level.

Maintenance. Thereafter, make sure there is sufficient soil moisture. Keep ground cultivated and free from weeds, preserving a straight clean edge.



Model Spacing and Location Design



The succeeding lists of shrubs and vines is in no sense complete under the various headings, but denote the types and varieties most generally known and used for certain special requirements of the average small lot.

SHRUBS FOR FOUNDATION PLANTING

I. Sunny Exposure.

Distance apart
to set the plants

A HIGH-GROWING:	
Cornus Elegantissima Variegata.....	4 -5 ft.
Deutzias—Crenata, Watereri, etc.....	4 -5 ft.
Exochorda Grandiflora.....	4 -5 ft.
Bush Honeysuckles—in variety.....	4 -5 ft.
Common Lilacs.....	4 -5 ft.
Philadelphus—in variety.....	4 -5 ft.
Ibota Privet.....	3 -4 ft.
Weigelas—in variety.....	4 -5 ft.
B MEDIUM HEIGHT:	
Hydrangeas—A. G., and P. G.....	3 -4 ft.
Philadelphus Aureus.....	3 -4 ft.
Privet—Amoor, and Regel's.....	3 -4 ft.
Rhodotyus Kerrioides.....	3 1/2 -4 1/2 ft.
Spireas—Prunifolia, Van Houtte, etc.....	3 -4 ft.
Symphoricarpos—Indian Currant, Snowberry.....	3 -4 ft.
Tamarix—Odessana.....	3 -4 ft.
Weigelas—Rosa, and Variegated-lf.....	3 -4 ft.
C LOW-GROWING:	
Barberry.....	2 -3 ft.
Callicarpa Purpurea.....	2 1/2 -3 1/2 ft.
Clethra Alnifolia.....	2 -2 1/2 ft.
Deutzias—Gracilis, and Lemoinei.....	2 -3 ft.
Kerria Japonica fl. pl.....	2 1/2 -3 1/2 ft.
Philadelphus—Manteau d'Hermine.....	2 -3 ft.

Planting interval	
Baby Rambler Roses—in variety.....	2 -2 1/2 ft.
Spireas—A. Waterer, Callosa Alba, Froebeli, Reevesiana, Thunbergi, Sorbifolia, etc.....	2 -3 ft.

II. Shady Exposure.

A HIGH-GROWING:	
Ibota Privet.....	3 -4 ft.
Honeysuckle—Morrowi.....	4 -5 ft.
B MEDIUM HEIGHT:	
Cornus—Paniculata.....	3 -3 1/2 ft.
Hydrangea—Arborescens Grandiflora.....	2 1/2 -3 1/2 ft.
Privets—Amoor, and Regel's.....	2 -3 ft.
Rosa Rugosa and Hybrids.....	2 1/2 -3 ft.
Rhodotyus Kerrioides.....	3 1/2 -4 1/2 ft.
Spirea Van Houtte.....	3 -4 ft.
Symphoricarpos—Indian Currant, Snowberry.....	3 -4 ft.
C LOW-GROWING:	
Barberry Thunbergi.....	2 -3 ft.
Box-Barberry.....	1 1/2 -2 1/2 ft.
Callicarpa Purpurea.....	2 1/2 -3 1/2 ft.
Clethra Alnifolia.....	2 -2 1/2 ft.
Deutzia Gracilis.....	1 -2 ft.
Hypericum Henryi.....	1 1/2 -2 ft.
Lodense Privet.....	1 1/2 -2 1/2 ft.
Rhus Aromatica.....	3 -3 1/2 ft.
Viburnum Opulus Nanum.....	2 -2 1/2 ft.

SHRUBS FOR BACK-YARD or BORDER PLANTING

Sunny Exposure.

Distance apart
to set the plants

A HIGH-GROWING:	
All shrubs in Group I-A.....	3 1/2 -4 1/2 ft.
Altheas—in variety.....	3 -4 ft.
Buckthorns.....	3 -4 ft.
Cornus—in variety.....	3 1/2 -4 1/2 ft.
Forsythias—in variety.....	4 -5 ft.
Lilacs—in variety.....	4 -5 ft.
Prunus Sissardi.....	5 -6 ft.
Russian Olive.....	4 -5 ft.
Spireas—Opulifolia, and Op. Aurea.....	3 -4 ft.
Sumacs—in variety.....	4 -5 ft.
Tamarix—in variety.....	2 1/2 -4 ft.
Viburnums—in variety.....	4 -5 ft.
B MEDIUM HEIGHT:	
All shrubs in I-B.....	3 1/2 -4 ft.
Aralia Pentaphylla.....	3 -4 ft.
Buddleia (Butterfly Bush).....	3 -4 ft.
Cotoneasters—in variety.....	3 -4 ft.
Desmodiums.....	2 1/2 -3 ft.

Planting interval	
Deutzias—Lemoinei, Magnificata, etc.....	2 1/2 -3 ft.
Rosa Hugonis.....	3 -5 ft.
All plants in I-C:	
Aronia—Arbutifolia, and Melanocarpa.....	2 1/2 -3 1/2 ft.
Cydonia Japonica.....	2 1/2 -3 ft.
Forsythia Suspensa.....	2 1/2 -3 1/2 ft.
All the dwarf Spireas.....	2 1/2 -3 1/2 ft.

Shady Exposure.

A HIGH-GROWING:	
All plants in II-A.....	
Cornus—in variety.....	3 -5 ft.
Bush Honeysuckles—in variety.....	4 -5 ft.
Viburnums—in variety.....	4 -5 ft.
Witch Hazel.....	4 -5 ft.
B MEDIUM HEIGHT:	
All plants in II-B.....	
Aralia Pentaphylla.....	3 1/2 -4 ft.
C LOW-GROWING:	
All plants in II-C.....	

CLIMBING and GROUND-COVERING VINES and SHRUBS

For Ground-covering.

A SMALL BANKS AND TERRACES:	
Barberry.....	2 1/2 -3 ft.
Evonymus Radicans—in variety.....	2 -2 1/2 ft.
Forsythia Suspensa.....	3 -4 ft.
Hypericum—Henryi, and Moserianum.....	2 -2 1/2 ft.
Pachysandra Terminalis.....	1 ft.
B LARGE BANKS AND TERRACES:	
Ampelopsis Quinquifolia.....	4 -5 ft.
Bittersweet.....	4 -5 ft.
Comptonia (Sweet Fern).....	3 ft.
Honeysuckles—Halleana, etc.....	4 -5 ft.
Matrimony Vine.....	5 -6 ft.
Rosa—Setigera, and Wichuriana type.....	4 -5 ft.
All in group A (above).....	

For Climbing.

Distance apart
to set the plants

On porch, trellis, fence or wall. Those types which cling to wood, stone, brick or stucco—are designated by a star (*); the rest twine or need support.	
Akebia Quinata.....	6 -10 ft.
*Ampelopsis—in variety (Veitchii, 4-6 ft.) (shade).....	6 -10 ft.
*Bignonia Radicans (Trumpet Vine).....	6 -10 ft.
Bittersweet (Celastrus Scandens).....	6 -10 ft.
Clematis—in variety.....	6 -10 ft.
Dutch Pipe (Aristolochia Siphon) (shade).....	4 -6 ft.
*Evonymus Radicans—in variety.....	4 -6 ft.
Honeysuckles—in variety (Halleana in shade).....	8 -10 ft.
Kudzu Vine (Pueraria Thunbergiana).....	4 -6 ft.
Climbing Roses—in extensive variety.....	6 -8 ft.
Silver Lace Vine (Polygonum Auberti).....	4 -8 ft.
Wisterias—in variety.....	8 -10 ft.

HEDGES: SHRUBS MOST COMMONLY USED

Informal Lines—not Clipped.

Planting interval	
Berberis Thunbergi.....	1 -1 1/2 ft.
Privets—in variety.....	1 -1 1/2 ft.
Altheas—in variety.....	2 -2 1/2 ft.
Buckthorn.....	1 1/2 ft.
Crataegus Crus-galli.....	2 ft.
Indian Currant.....	2 -2 1/2 ft.
Mock Orange—in variety.....	2 -2 1/2 ft.
Dwarf Spireas—in variety.....	1 1/2 -2 ft.
Spirea Van Houtte.....	1 1/2 -2 ft.

Clipped—Formal Design.

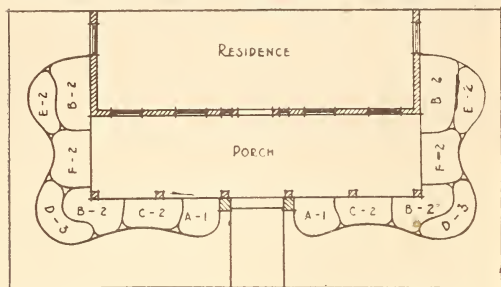
Planting interval

Berberis Thunbergi.....	12-15 in.
Box-Barberry.....	10-12 in.
Dwarf Box.....	6 in.
Tree Box.....	10 in.
California Privet.....	8-12 in.
Regel's Privet.....	12-15 in.
Evonymus Radicans—in variety.....	8-12 in.

Other shrubs and various Evergreen types are used with fine effect, but these greatly increase the expense of first cost, and maintenance.

PRACTICAL LANDSCAPE DESIGNS

Suitable shrub types in selected varieties, assigned to particular locations against the various foundation facings of typical modern houses. The next preceding pages direct exact computation of quantities. Best quality stock in normal shipping sizes is considered in the succeeding plans; which you can order by number.



**PLAN No. 71 WITH THE PORCH
ACROSS THE FRONT**

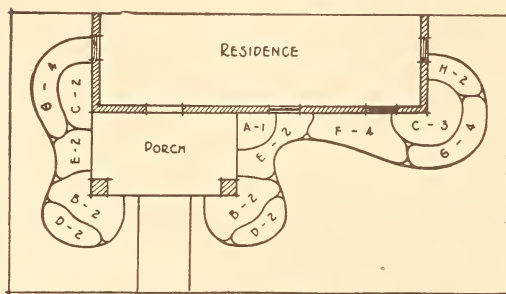
Whether this porch is covered or merely a terrace, the planting characteristics would correspond. The tall types are at the corners; the steps are treated both sides alike.

SUNNY:

A	2	Persian Purple Lilac.....	\$ 1.70
B	8	Spirea Van Houtte.....	4.00
C	4	Hydrangea Paniculata.....	3.00
D	6	Spirea A. Waterer.....	3.00
E	4	Kerria Japonica fl. pl.....	3.00
F	4	Deutzia Magnificata.....	3.20
Total.....			\$17.90

SHADED:

A	2	Honeysuckle Morrowi.....	\$ 1.40
B	8	Ibota Privet.....	1.25
C	4	Snowberry.....	2.40
D	6	Berberis Thunbergi.....	1.80
E	4	Rosa Rugosa Rubra.....	3.00
F	4	Hydrangea Hills of Snow.....	3.40
Total.....			\$13.25



**PLAN No. 72 PORCH PART WAY
ACROSS THE FRONT**

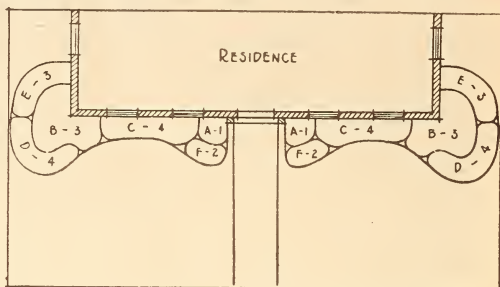
A balanced entity, altho focused on the off-side porch.

SUNNY:

A	1	Cornus Elegantissima Variegata.....	\$ 0.85
B	4	Spirea Van Houtte.....	2.00
C	3	Weigela Rosea Nana Variegata.....	2.25
C	2	Weigela Eva Rathke.....	2.00
D	4	Spirea Wallufi.....	3.00
E	4	Cydonia Japonica.....	2.40
F	4	Rhodotypos Kerrioides.....	3.00
G	8	Berberis Thunbergi.....	2.40
H	2	Spirea Thunbergi.....	1.40
Total.....			\$19.30

SHADED:

A	1	Viburnum Dentatum.....	\$ 0.60
B	4	Honeysuckle Morrowi.....	2.40
C	5	Viburnum Americanum.....	3.00
D	4	Hypericum Henryi.....	2.40
E	4	Snowberry.....	2.80
F	4	Rosa Rugosa F. J. Grootendorst.....	3.60
G	8	Berberis Thunbergi.....	2.40
H	2	Hydrangea Hills of Snow.....	1.70
Total.....			\$18.90



**PLAN No. 73 DOOR IN CENTER.
NO FRONT PORCH**

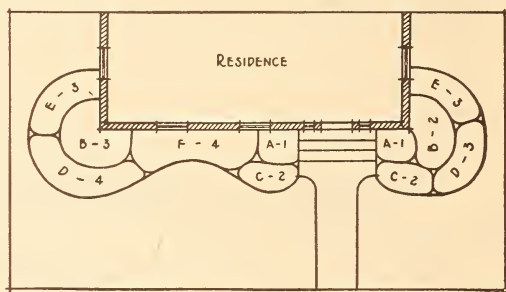
Conventional colonial type—no porch, entrance door at center. Being so balanced, the door is the dominant feature emphasized by tall planting. Both sides should be alike; the outside corners also tall, the connecting lines comparatively low.

SUNNY:

A	2	Spirea Van Houtte.....	\$ 1.00
B	6	Philadelphus Virginialis.....	6.00
C	8	Spirea Froebel.....	4.80
D	8	Kerria Japonica fl. pl.....	5.20
E	6	Cydonia Japonica.....	3.00
F	4	Spirea A. Waterer.....	2.40
Total.....			\$20.40

SHADED:

A	4	Ibolum Privet.....	\$ 0.80
B	6	Viburnum Dentatum.....	3.00
C	8	Snowberry.....	4.80
D	8	Berberis Thunbergi.....	2.40
E	6	Indian Currant.....	3.00
F	4	Deutzia Lemoinei.....	2.40
Total.....			\$16.40



**PLAN No. 74 NO FRONT PORCH.
DOOR OFF CENTER**

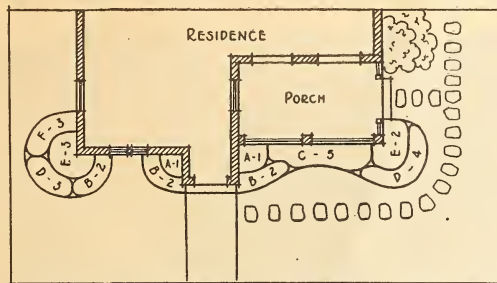
Similar to No. 3, except the door is to left or right of center, creating an unsymmetrical problem which is perhaps one of the most awkward and difficult to properly landscape. We believe our layout successfully covers the situation.

SUNNY:

A	2	Spirea Prunifolia.....	\$ 1.50
B	5	Weigela—Assorted Pinks.....	3.00
C	4	Spirea A. Waterer.....	2.40
D	7	Berberis Thunbergi.....	2.10
E	6	Philadelphus Aureus.....	5.40
F	4	Hydrangea Paniculata.....	3.00
Total.....			\$17.40

SHADED:

A	2	Honeysuckle Morrowi.....	\$ 1.40
B	5	Cornus Paniculata.....	2.50
C	4	Regel's Privet.....	1.80
D	7	Berberis Thunbergi.....	2.10
E	6	Snowberry.....	3.00
F	4	Indian Currant.....	2.80
Total.....			\$13.60



PLAN No. 76 HOUSE WITH A RECESSED PORCH

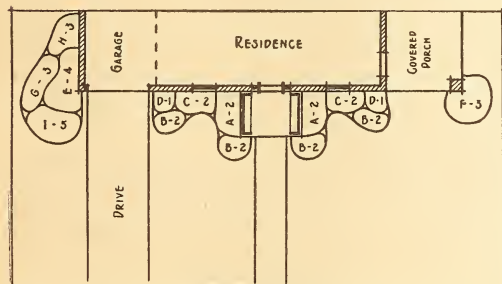
This plan presents a pleasingly balanced effect; although the open recessed porch requires low-growing shrubs so as not to interrupt vision, while the house proper beyond the door has wall space allowing a higher growth. This type can be widely varied.

SUNNY:

A	2	Rhodotypus Kerrioides.....	\$ 1.50
B	6	Spirea Walluf.....	3.90
C	5	Regel's Privet.....	2.00
D	7	Berberis Thunbergi.....	2.10
E	5	Spirea Van Houtte.....	2.00
F	3	Hydrangea P. G.....	1.80
Total.....			\$13.30

SHADED:

A	4	Ibolum Privet.....	\$ 0.80
B	6	Berberis Thunbergi.....	1.80
C	5	Snowberry.....	3.00
D	7	Rosa Rugosa Rubra.....	4.90
E	2	Viburnum Dentatum.....	1.20
F	3	Viburnum Americanum.....	2.10
F	3	Deutzia Lemoinel.....	1.80
Total.....			\$15.60



PLAN No. 77 CENTRAL FRONT DOOR, GARAGE AND PORCH, ENDS

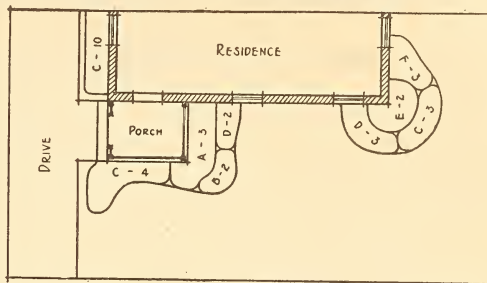
A house of this type requires quite symmetrical treatment each side of the central door, with a variation at either end where Garage and Porch express different characteristics.

SUNNY:

A	4	Spirea Van Houtte.....	\$ 2.00
B	8	Spirea A. Waterer.....	5.20
C	4	Clethra Alnifolia.....	3.20
D	2	Spirea Op. Aurea.....	1.20
E	4	Tamarix Odessana.....	2.00
F	3	Viburnum Americanum.....	2.10
G	3	Hydrangea P. G.....	2.25
H	3	Weigela Rosea Nana Var.....	1.80
I	5	Berberis Thunbergi.....	1.50
Total.....			\$21.25

SHADED:

A	4	Viburnum Dentatum.....	\$ 2.40
B	8	Berberis Thunbergi.....	2.40
C	4	Rosa Rugosa Grootendorst.....	3.60
D	2	Hydrangea Arborescens Grandiflora.....	1.50
E	4	Deutzia Crenata fl. pl.....	2.40
F	3	Honeysuckle Morrowi.....	2.10
G	3	Snowberry.....	2.10
H	3	Indian Currant.....	1.80
I	4	Rosa Rugosa Rubra.....	3.00
Total.....			\$21.30



PLAN No. 713 WITH SMALL COVERED SERVICE PORCH

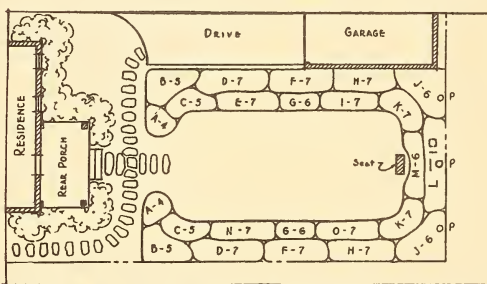
Here is a covered rear porch, treated in relation to the covering. The addition of vines on porch will be quite allowable.

SUNNY:

A	3	Philadelphus Virginalis.....	\$ 3.00
B	2	Berberis Thunbergi.....	1.20
C	3	Hypericum Prolificum.....	1.80
D	4	Spirea Froebeli.....	2.80
E	5	Rosa Rugosa Reevesiana.....	2.00
F	2	Weigela, Pink.....	1.40
G	3	Cydonia Japonica.....	1.80
G	10	Ibolum Privet.....	2.00
Total.....			\$16.00

SHADED:

A	3	Common Purple Lilac.....	\$ 2.10
B	2	Berberis Thunbergi.....	.60
C	3	Aralia Pentaphylla.....	1.80
C	4	Rosa Rugosa Grootendorst.....	3.60
D	5	Snowberry.....	3.00
E	2	Cornus Elegantissima Variegata.....	1.70
F	3	Indian Currant.....	1.80
G	10	Ibolum Privet.....	2.00
Total.....			\$16.60



PLAN No. 715 THE BACK YARD AS AN OUT-DOOR LIVING ROOM

This planting serves not only to delight the eye, but the tall-growing outer fringe effectually screens from view possibly obnoxious neighboring conditions; throws refreshing summer shade, and maintains a desirable privacy for enjoyment by your family. The inner lines inject bright color and piquant foliage types; and being of low growth, add variety without obstructing view.

A	8	Berberis Thunbergi.....	\$ 2.40
B	10	Spirea Opulifolia Aurea.....	5.00
C	10	Weigela Rosea Nana Var.....	5.00
D	14	Weigela—assorted.....	8.40
E	7	Spirea Froebeli.....	4.20
F	7	Altheas—assorted.....	4.55
F	7	Viburnum Americanum (Garage side).....	4.20
G	12	Rosa Rugosa Rubra.....	8.40
H	14	Forsythia Fortunei.....	7.00
I	7	Honeysuckle Korolkovi.....	4.90
J	6	Common Purple Lilac (Garage side).....	3.60
J	14	French Lilacs—assorted.....	5.00
K	14	Regel's Privet.....	4.90
L	10	Philadelphus Virginalis.....	9.00
M	6	Spirea Van Houtte.....	2.40
N	7	Deutzia Lemoinel.....	4.90
O	7	Rhus Typhina Laciniata.....	3.85
P	3	Lombardy Poplar (10 to 12 ft.).....	4.20
Total.....			\$91.90

This section of our Nursery business requires over two hundred acres of land, distributed in immense, solid blocks to whatever variety of soil is best adapted for each particular kind of tree. A visit to the Ornamental section of our plantation is always a pleasure and education to those of our friends who live near enough to make the trip. We grow other classes and varieties of trees than are listed in this book, fully described in our Descriptive Catalogue No. 1, which we will mail upon application and receipt of ten cents.

The succeeding lists represent the most favored trees for lawn adornment, and the best types for street and grove plantings. **We will be pleased to quote prices** to anyone desiring different sizes or stock in larger quantities than offered herein. In sending list state definitely the number of each variety and size wanted.

Five or more of one kind and size, at ten rate; twenty-five or more at hundred rate.

We are always pleased to allow personal selection by our customers of particular ornamental trees, but in no such case will listed prices apply.

DECIDUOUS TREES

AILANTHUS. (Tree of Heaven.) Extremely rapid grower, palm-like leaves. Thrives in city lots exposed to gas and smoke, and in soils where other trees perish. 6 to 8 feet—\$1.50 each; \$12.00 per 10.

8 to 10 feet—1.75 each; 15.00 per 10.

AMELANCHIER, Botryapium. The charming "June-berry" or "Shadblow." Graceful, slender form, white in April with drooping snowy flowers, small edible purple fruit in June.

	Each	Per 10
1½ to 2 feet.....	\$.65	\$5.00
2 to 3 feet.....	.75	6.50

ARALIA, Japonica. Handsome small tree. Foliage immense, finely divided; flowers in large white spikes in July. 3 to 4 feet, 60 cts.; 10 for \$5.00. 4 to 6 feet, 75 cts.; 10 for \$6.50. 6 to 8 feet, \$1.00 each; \$8.50 per 10. Specimens, \$2.00 to \$4.00 each.

ASH, American White. A tall rapid grower, smooth gray bark, glossy leaves. For parks and very good for streets.

	Each	Per 10	Per 100
6 to 8 feet.....	\$0.85	\$7.50	\$70.00
8 to 10 feet.....	1.00	9.00	85.00
10 to 12 feet.....	1.25	11.00	100.00

Larger selected, \$2.50 to \$5.00 each.



The White Ash as a Street Tree

BIRCH

Cut-Leaved Weeping. Its tall, slender, yet vigorous growth, graceful drooping habit, silvery white bark and delicately cut foliage presents a combination of attractive characteristics rarely met with in a single tree. Very popular for single lawn specimens or groups of three or four trees; the white bark of trunk and twigs gleaming conspicuously among the darker greens and browns. 5 to 6 feet—\$3.00 each; 6 to 8 feet—\$3.50 each.

Scotch. (European White.) Similar to the American or Canoe Birch, with slender branches and conspicuous silvery bark. After a few years growth assumes a graceful weeping habit, adding greatly to its beauty. 6 to 8 feet, \$2.00.

CATALPA

PRICE OF CATALPAS

	Each	Per 10
Bungei (Grafted), 5 to 6 feet.....	\$1.75	\$15.00
" " 6 to 8 feet.....	2.00	17.50
" Dwarf, 3 to 4 feet.....	1.25	.....
Speciosa, 8 to 10 feet.....	1.00	8.50
" 10 to 12 feet.....	1.75	15.00

Catalpa Bungei. (Umbrella Catalpa.) Grafted on stems 5 to 8 feet high, it makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in all soils and climates. Leaves large, glossy, heart-shaped, deep green, lying like shingles on a roof; always making a symmetrical head. Usually set in pairs on opposite sides of a walk, entrance, etc.

Dwarf Bungei. Worked low; making a handsome dwarf specimen, with all the wealth of green foliage found in the standard form, clear to the ground.

Speciosa. Valuable for timber, fence posts, railroad ties, etc., on account of rapid growth and durability. Large heart-shaped, downy leaves, and compound panicles of white flowers, tinged with violet and dotted with purple and yellow.

1 year by express, \$1.25 per 100; \$10.00 per 1000. By mail, 10 for 50 cts.; 100 for \$2.00.



Catalpa Bungei

FLOWERING CHERRIES



Japan Weeping Cherry

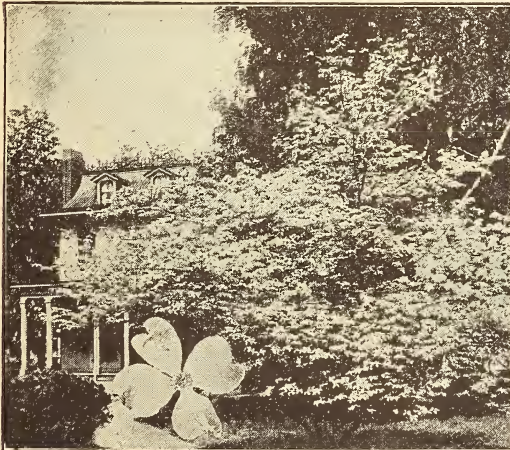
tree in May. 3 to 4 feet, \$1.75.

Mt. Fuji. Comparatively dwarf growing, otherwise a typical Japanese flowering cherry; flowers large semi-double, at first white, turning to blush. 4 to 5 feet, \$2.00.

CORNUS (The Dogwoods)

CORNUS Florida. (White Flowering Dogwood.) Flowers white, 3 to 3½ inches in diameter, produced in spring before leaves appear; very abundant, showy and durable. Foliage grayish green, glossy and handsome; in the autumn turning to deep red. Spreading, irregular form, growing 20 to 25 feet high. Used with telling effect in tall shrub backgrounds and corner groups, to inject sparkling white bloom in spring, and for crimson autumn foliage. 2 to 3 feet, 75 cts.; \$6.50 per 10. 3 to 4 feet, \$1.25; 10 for \$11.00. 4 to 5 feet, \$2.00; 10 for \$18.00.

Cornus Florida Rubra. (Red Flowering Dogwood.) More formally shaped, with handsome red flowers. An attractive lawn specimen or group subject. Shipped out "Balled and Burlapped." 2 to 3 feet, \$2.50. 3 to 4 feet, \$3.50.



Cornus Florida

Japan Weeping. A weeping form worked on 4 to 6 feet stems, the pendulous limbs drooping to the ground. A beautiful object when covered with its rosy masses of bloom in early spring. \$3.50 each.

Rhexi fl. pl. A pretty dwarf tree with rose-like double white flowers completely covering the

FLOWERING CRABS (Pyrus)

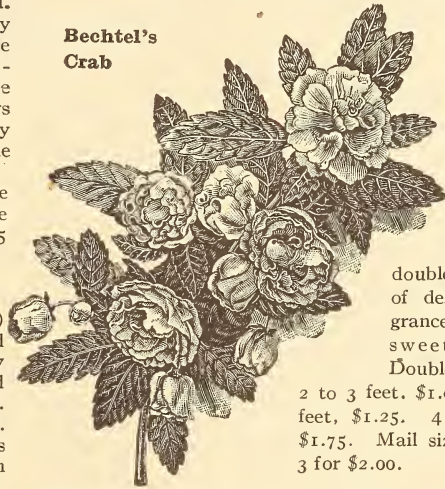
Rounded, compact, small trees, largely used in lawn groups and high shrub borders, for their profuse early bloom; their dense, glossy, handsome foliage which color richly; and their ornamental fruits.

Arnoldiana. A popular variety; early flowering semi-double, pink; with splendid foliage and yellow fruit. 3 to 4 feet, \$1.50 each.

Atrosanguinea. Makes a beautiful contrast to the other varieties by reason of its darker red flowers. The buds are deep purplish red, and the entire flower tinged purplish. 3 to 4 ft., \$1.25. 4 to 5 ft., \$1.50.

Coronaria. (Wild Crab Apple.) A pretty, round-headed tree, with spiny branches, and attractive heart-shaped, serrated leaves. The opening leaf buds show a ruddy bronze, passing to rich green and turning back in autumn to bronze and yellow. Clustered rose-pink flowers, and yellowish fruit fragrant and translucent. 3 to 4 feet, \$1.00. 4 to 5 feet, \$1.25.

Bechtel's. Makes a medium-sized tree; perfectly

Bechtel's
Crab

hardy, succeeds well in all soils not extremely wet. When in bloom appears to be covered with delicate pink, perfectly

double small roses of delicious fragrance. The only sweet-scented Double Crab.

2 to 3 feet, \$1.00. 3 to 4 feet, \$1.25. 4 to 5 feet, \$1.75. Mail size, 75 cts.; 3 for \$2.00.

Floribunda. A large shrub or small tree, often thorny, with rose-red flowers borne in great profusion in May. The fruit is red and very small, on long stems. 3 to 4 feet, \$1.25. 4 to 5 feet, \$1.50.

Floribunda Purpurea. A beautiful form with darker red flowers. 3 to 4 feet, \$1.25. 4 to 5 feet, \$1.50.

Niedzwetzkyana. Purplish foliage, the wood and bark also tinged with red. Extra large flowers deep pink, the edible fruits purplish. 3 to 4 feet, \$1.50.

THE ELMS

PRICE OF ELMS

	Each	Per 10	Per 100
American, 6 to 8 feet....	\$1.25	\$11.00	\$90.00
" 8 to 10 feet....	1.75	15.00	130.00
" 10 to 12 feet....	2.25	20.00	175.00
English, 8 to 10 feet.....	2.25	20.00	.....
" 10 to 12 feet.....	3.00	27.50	.....
Scotch, 10 to 12 feet.....	2.25	20.00	.....

Selected specimens, \$3.00 to \$6.00 each.

American. A noble native tree of great size and wide spread, with graceful drooping branches and handsome leaves. One of the best tree types for towering, heady effect and wide-spread shade, in the yard itself. Indispensable to shaded parks, and largely used along the sides of wide avenues.

English. More densely branched than American, and not quite so tall with smaller, darker leaves, retained longer in autumn. The branches project from the trunk almost at right angles.

Scotch. A rapid-growing spreading tree, with large, rough, dark, green leaves.

EVONYMUS, Europaeus. (European Spindle Tree.) 15 ft. In spring it is covered with a wealth of bright yellow flowers in nodding clusters, followed by brilliant rose-colored berries, which hang in clusters from the branches till mid-winter. The leaves color a beautiful crimson-scarlet in fall. Stems and leaves are always a dark, polished green. 3 to 4 feet, 75 cts.; 10 for \$6.50. 4 to 5 feet, \$1.00; 10 for \$9.00.

EVONYMUS, Bungeanus. Tall growing shrub with slender branches and finely serrate 2 to 4 inch leaves. Flowers appear in numerous small forked cymes; succeeded by large, deeply lobed fruits which show pink, with white seeds and orange arils. 3 to 4 feet, 70 cts.; 10 for \$6.00. 4 to 5 feet, 90 cts., 10 for \$8.50.

HACKBERRY. Its light green leaves are glossy, pointed, almost entirely free from insects; the branches spread horizontally, forming a wide, elm-shaped head of medium size. Vigorous, hardy and healthy, thriving in all soils. 6 to 8 ft., \$1.50, 8 to 10 ft., \$2.00.

HORSE CHESTNUT, White Flowering. The handsome European species; has magnificent spikes of white flowers borne in great profusion and sweetly scented. 4 to 5 feet, \$1.50. 5 to 6 feet, \$2.00. Selected specimens, \$3.00 to \$7.50 each.

HONEY LOCUST. A large, vigorous tree, with wide-spreading branches, fern-like leaves, and a stout armament of thorns. Makes a fine defensive hedge. 4 to 6 feet, 75 cts.; 10 for \$6.00. 6 to 8 feet, 95 cts.; 10 for \$8.00. 1 year: by express, \$2.00 per 100; \$15.00 per 1000; by mail, 60 cts. per 10; \$2.50 per 100.

BLACK LOCUST. A native tree of large size, and rapid growth. Flowers in long white racemes, very fragrant. Valuable for timber. 6 to 8 feet, 75 cts. 1 year: by express, \$1.50 per 100; \$12.00 per 1000; by mail, 10 for 60 cts.; 100 for \$2.00.

JUDAS TREE. (Red Bud.) A small growing tree of irregular form, with heart-shaped leaves. It is covered with bright pink blossoms early in spring before the leaves appear; and is largely used in groups of shrubs and small trees to give color for this early season. 4 to 5 feet, \$1.00; 10 for \$9.00. 5 to 6 feet, \$1.25, 10 for \$11.00.



European Linden

LINDENS

American. A stately tree, growing 60 to 80 feet tall, with large, shining cordate leaves. Valuable for its beautiful white wood. Its flowers appear in July. 6 to 8 feet, \$2.25 each. 8 to 10 feet, \$2.75 each.

European. Largely used for street and ornamental planting, developing into beautiful specimens. 8 to 10 feet, \$3.00 each; \$27.50 per 10. 10 to 12 feet, \$3.50 each; \$30.00 per 10.

Selected specimens above, \$3.50 to \$7.50 each.

THE MAPLES

PRICE OF MAPLES

	Each	Per 10	Per 100
Ash-leaved, 6 to 8 feet.....	\$1.00	\$ 9.00	.....
" 8 to 10 feet.....	1.25	11.00	.....
" 10 to 12 feet.....	2.00	17.50	.....
Norway, 8 to 10 feet.....	3.50	30.00	.....
" 10 to 12 feet.....	3.75	35.00	.....
Silver-leaved, 6 to 8 feet.....	1.35	12.00	\$100.00
" 8 to 10 feet.....	1.50	13.50	.....
Sugar or Rock, 6 to 8 feet...	2.25	20.00	.....
" " 8 to 10 feet...	2.50	22.50	.....
Siberian (Ginnala). 3 to 4 ft..	1.25	.....	.....
Sycamore-leaved, 6 to 8 ft..	1.75	15.00	.....
" 8 to 10 ft..	2.25	20.00	.....
Wier's Cut-leaved, 6 to 8 ft..	1.75	15.00	.....
" " 8 to 10 ft..	2.25	20.00	.....

Selected specimens above: \$3.00 to \$10.00 each.

Ash-Leaved. (Box Elder.) A rapid-growing variety; with light green foliage and spreading head, very hardy; desirable for street planting and succeeds in many sections where other varieties do not.

Norway. Native of Europe; a large handsome tree, with broad, deep green, shining foliage. Very desirable for street, park or lawns. The Norway Maple characteristically makes the roundest head; is colored the deepest, coolest green; and furnishes the densest shade of the entire list of good trees.



Norway Maple

MAPLES (Continued)

Silver. A hardy, rapid-growing, beautiful native tree of large size. Valuable for producing a quick shade. Unfortunately, stock of this well-known and liberally planted type is becoming so scarce, the price has doubled during the past few years.

Sugar or Rock Maple. This tree is chieftain of its clan; straight, spreading, symmetrical, of grand proportions, often 120 feet in height and longer lived than most men who plant it. It grows well in all except damp, soggy soils, and roots deeply, allowing grass to grow close about its trunk. Its bold leaves have rich autumn tints of clear-yellow and scarlet.

Sycamore Maple. A broad, handsome tree of medium size, rarely over 60 feet high, with larger, darker leaves than other Maples. Casts a dense, cool shade.

Tartarian Ginnala. (Siberian Maple.) More like a large shrub, with three-lobed leaves and flowers in long panicles. Foliage turns bright red in autumn, a good substitute for the Japanese Maples.

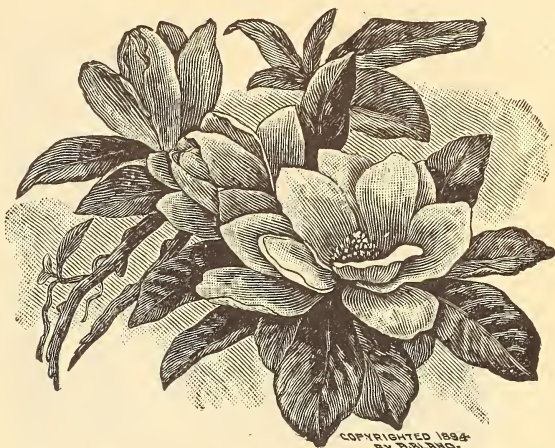
Wier's Cut-Leaved. A silver Maple with remarkable and beautifully dissected foliage. Of rapid growth; shoots slender and drooping; very graceful.

MAGNOLIA, Glauca. (Sweet Bay.) When planted in moist soil this makes a handsome tree, 30 to 40 feet high. Its leaves are glossy, laurel-like, almost evergreen. In June its pure white flower cups are lovely and fragrant. **With ball:** 3 to 4 feet, \$3.50; 10 for \$30.00. 4 to 5 feet, \$5.00; 10 for \$40.00.

MOUNTAIN ASH, European. Hardy tree; head dense and regular, beautiful fern-like green foliage; covered from July till winter with clusters of bright red berries. The combination of foliage and clustered fruits makes this one of the most striking and beautiful trees that grow. 4 to 6 feet, \$1.25. 6 to 8 feet, \$1.75. 8 to 10 feet, \$2.25.

TEA'S WEEPING MULBERRY. Forms a perfect shaped head, with long, slender, willowy branches, drooping to the ground in light, airy gracefulness. It has beautiful foliage, is hardy, safe and easy to transplant. Admirably adapted for small or large grounds, or for cemetery planting. \$3.25 each.

OSAGE ORANGE. A medium sized spiny tree with spreading branches; rather large fern-like leaves of bright green which change to yellow in fall. Flowers are inconspicuous, but the succeeding orange-like fruits are attractive. It is chiefly utilized as a close,



Flower and Leaf of "Sweet Bay"

thorny, stock-turning hedge plant and allowed to grow fairly tall. **By express,** 1 year No. 1, \$1.25 per 100; \$10.00 per 1,000. **By mail,** \$1.75 per 100.

OAK, Pin. Broadly pyramidal in habit, described as half-weeping when old, because its lower branches touch the ground. It grows comparatively fast up to 60 to 80 feet. The leaves are deep green, glossy, and finely divided; orange-scarlet in fall. One of the richest and finest boulevard trees. 8 to 10 feet, \$3.75; 10 for \$35.00. 10 to 12 feet, \$4.50; 10 for \$40.00.

—**Red.** 80 to 100 feet tall, large in leaf and quick in growth. The young shoots and leaf-stems are red, the foliage purplish crimson in autumn. 6 to 8 feet, \$3.00; 10 for \$27.50. 8 to 10 feet, \$4.00 each; 10 for \$37.50. 10 to 12 feet, \$4.50; 10 for \$40.00.

Selected specimens, \$4.00 to \$10.00 each.

OXYDENDRON Arboreum. (Sourwood.) A small tree with spreading slender branches. Leaves bright green, fired in autumn with dazzling tones of scarlet. Flowers pure white in racemes resembling Lily-of-the-Valley. 2 to 3 feet, \$1.00. 3 to 4 feet, \$1.50.

FLOWERING PEACH. Double—Red and White. A beautiful small tree rarely over 20 feet tall; at its blossoming time in May every twig and branch bright with beautifully formed flowers. 2 to 3 feet, 75 cts.; 10 for \$6.50. 3 to 4 feet, 85 cts.; 10 for \$7.50.



Tea's Weeping Mulberry



A Boulevard Allignment of Pin Oaks



THE POPLARS

Aurea (Van Geerti). Fine golden yellow foliage, retaining its brilliancy throughout the season.

Balsam. (Balm of Gilead.) A remarkably rapid growing tree, with luxuriant, glossy foliage.

Bolleana. Useful in breaking the monotony of lower round-topped trees. Will grow to a tall spire 80 feet high. Its leaves are glossy green, silvery beneath.

Carolina. A vigorous, native pyramidal tree of rapid growth, with large glossy leaves; valuable for quick shade. Makes a fine spreading head if well cut back the first few seasons.

Lombardy. The selective appreciation of trained landscape builders is getting this fine type into much more general use. Old trees which were thoughtfully placed, are outstanding landmarks today; their great height, dense slenderness, and sombre silhouette against the skyline, creating an impressive, picturesque old-world effect.



Russian Olive

Norway. Very broad, triangular leaves with finely scalloped edges, smooth dark green. Makes a thick, broad-topped, shading tree of quick growth and great hardness.

Simoni. Of only medium height, although bushy and as rapid growing as other varieties. Foliage small, bluntly oval tapering toward the stem; very dark, lustrous green. The bark is uniquely stained with red. This tree is not very well known, but is appropriate and valuable for various landscape usages.

PRICE OF POPLARS

	Each	Per 10	Per 100
Aurea (Van Geerti), 6 to 8 ft...	\$1.00	\$8.50	.....
" " " 8 to 10 ft...	1.25	10.00	.....
Balsam (Balm of Gilead)—			
" 6 to 8 feet.....	.60	5.00	.....
" 8 to 10 feet.....	.75	6.50	.....
Bolleana (Silver Leaf)—			
" 6 to 8 feet.....	1.50	12.50	.....
" 8 to 10 feet.....	2.00	17.50	.....
Carolina, 6 to 8 feet.....	.50	4.00	\$30.00
" 8 to 10 feet.....	.60	5.00	40.00
" 10 to 12 feet.....	.80	7.00	60.00
Lombardy, 6 to 8 feet.....	.85	7.50	65.00
" 8 to 10 feet.....	1.00	8.50	75.00
" 10 to 12 feet.....	1.40	12.50	100.00
Norway, 6 to 8 feet.....	1.25	10.00	.....
" 8 to 10 feet.....	1.50	12.50	.....
Simoni, 6 to 8 feet.....	1.00	8.50	.....
" 8 to 10 feet.....	1.25	10.00	.....

PTELEA Trifoliata. (Hop Tree.) Small trees, 15 to 25 feet high, with glossy, trifoliate leaves that exhale a hop-like odor when bruised. This odor is even more noticeable in the seeds, which hang in hop-like light green clusters far into autumn. 3 to 4 feet, 75 cts.; 10 for \$7.00. 4 to 6 feet, 85 cts.; 10 for \$7.50.



ROSE ACACIA. (Moss Locust.) An elegant shrub, with light green pinnate leaves and long graceful clusters of pea-shaped, rose-colored flowers in June, often throughout the summer.

—Own roots (bush shape), 2 to 3 feet, 75 cts.

RUSSIAN OLIVE. (Eleagnus Angustifolia.) Attains a height of 20 to 30 feet, bark dark green, wood very heavy and burns like a candle, foliage rich silver color, willow shape; fragrant, deep golden flower, followed by ornamental olive fruits. This small tree affords striking contrast among dark leaved associates. 2 to 3 feet, 45 cts.; 10 for \$4.00. 3 to 4 feet, 60 cts.; 10 for \$5.00. 4 to 6 ft., 75 cts.; 10 for \$6.50.

SASSAFRAS. A native tree of irregular growth, seldom seen in ornamental plantings, but worthy of more consideration. The distinctive foliage of varied outline assumes beautiful tints in the autumn, and the horizontal arrangement of the twiggy branches presents a very attractive appearance. 4 to 6 feet, \$1.00.

**Ginkgo Tree**

SALISBURIA. (Ginkgo, or Maiden Hair Tree.) A rare elegant tree from Japan with singular, almost fern-like foliage unlike that of any other tree; of free growth, with angular, independent branches each quite distinct and noticeable against the sky line. 6 to 8 feet, \$2.50.

EUROPEAN SYCAMORE. The well-known Oriental Plane. Used in great numbers to create vistas of dense green shade, along new streets which require quick development of shade and ornamentation. A lofty, wide-spreading tree with deeply lobed palmate leaves. The bark is an attractive grayish green during the summer; but enough of it sheds during winter to give an interesting mottled appearance as the smooth, creamy white trunk is revealed.

	Each	Per 10	Per 100
6 to 8 feet.....	\$1.50	\$13.50	\$125.00
8 to 10 feet.....	2.00	18.50	175.00
10 to 12 feet.....	2.75	25.00	.....

Larger specimens, \$3.50 to \$6.00 each.

TULIP TREE. (Whitewood.) One of the grandest of our native trees; of tall pyramidal habit, with broad, glossy fiddle-shaped leaves and tulip-like flowers; allied to the Magnolia. 4 to 6 feet, \$1.25.

THE FLOWERING THORNS

Handsome dwarf trees with shiny leaves of attractive shape and color; blooming in profusion late in spring with compact clusters of small, rose-like flowers. These are followed by large red fruits and autumnal colorings.

Double Pink and Double White.

3 to 4 feet, \$1.50.

4 to 5 feet, \$2.00.

Paul's Double Scarlet.

Flowers deep crimson, with scarlet shade; very double. 3 to 4

feet, \$2.00. 4 to

5 feet, \$2.50.

Cordata. (Washington Thorn.)

Branches upright, forming a round topped head, leaves heart-shaped. Flowers

white with rose-colored anthers. 3

to 4 feet, \$1.50.

4 to 5 feet, \$2.00.

**Double Thorns**

PYRACANTHA LALANDI (Firethorn). An almost evergreen shrub allied to both the Thorns and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Small white flowers; liberally covered in fall with bright orange-red fruit.

All trees balled and burlapped. Spread:

1½ to 2 ft., \$2.00. 2 to 3 ft., \$3.00. 3 to 4 ft., \$4.

**An Avenue of European Sycamores**



The Wisconsin Weeping Willow

THE WILLOWS

Besides the beauty of their airy summer foliage, the Willows have a distinct winter value in the color brightness of their bark when leaves have fallen.

Canescens (Hoary Willow). Plentiful foliage silvery gray, with grayish bark.

Gold Bark. Showy variety with golden bark of high color, making it very conspicuous during winter.

Laurel Leaved. A splendid ornamental small tree, with large, glossy, dark laurel-like leaves, whence its name. May be well associated with the taller screening shrubs.

Royal or Silver Leaf. A large tree, sometimes 100 feet high, with short and thick trunk and yellowish brown branches, the foliage a silvery ash gray.

Wentworth. Tall, rapid, upright; with reddish bark.

WEEPING WILLOWS

Babylonica. A graceful tree of large size. Its fresh, bright green tint and long, wavy branches make it very attractive.

Niobe. Slender leaves, green above, silvery beneath; the twigs and bark tinged dark red.

Thurlo's. Larger and more spreading than the Babylonian form, and hardier, but similar in foliage and grayish green bark.

Ural. Numerous arching branches with yellowish wood, the narrow green leaves very densely set.

Wisconsin. A babylonica with more slender leaves and hardier. This is the most generally planted variety, and makes immense broad-topped specimens.

PRICE OF WILLOWS

	Each	Per 10	Per 100
Babylonica, 6 to 8 feet.....	\$1.00	\$ 9.00	\$ 80.00
" 8 to 10 feet.....	1.25	11.00	.....
Canescens, 6 to 8 feet.....	.85	7.50	.....
" 8 to 10 feet.....	.90	.....	.....
Gold Bark, 6 to 8 feet.....	.75	6.50	60.00
" 8 to 10 feet.....	1.00	9.00	80.00
" 10 to 12 feet.....	1.25	11.00	100.00
Laurel Leaved, 6 to 8 feet..	.75	6.50	60.00
" 8 to 10 feet..	1.00	9.00	80.00
" 10 to 12 feet..	1.25	11.00	.....
Niobe, 6 to 8 feet.....	1.00	9.00	.....
" 8 to 10 feet.....	1.25	11.00	.....
Royal (Silver-leaf), 4 to 6 ft....	.85	.....	.....
Thurlo, 6 to 8 feet.....	1.00	9.00	80.00
" 8 to 10 feet.....	1.25	11.00	100.00
" 10 to 12 feet.....	1.50	13.50	125.00
Ural, 6 to 8 feet.....	1.00	9.00	.....
" 8 to 10 feet.....	1.25	11.00	.....
Wentworth, 6 to 8 feet.....	.75	6.50	50.00
" 8 to 10 feet.....	1.00	9.00	75.00
" 10 to 12 feet.....	1.25	11.00	100.00
Wisconsin, 6 to 8 feet.....	1.00	9.00	80.00
" 8 to 10 feet.....	1.25	11.00	100.00
" 10 to 12 feet.....	1.50	13.50	125.00



See
Pages
to 149

TOP ROW:—A. V. Compacta, Dwarf Swedish Juniper, Retinispora Crippsi, Mugho Dwarf Pine.
BOTTOM:—J. Pfitzeriana, Irish Juniper Siberian A. V. Juniper Va. Glauca



EVERGREEN TREES

145

Our Evergreens are all carefully grown, at good distances for symmetrical development, are root and top-pruned into handsome, shapely specimens that will transplant successfully to new homes with ordinary care.

Planting season for spring from April 10 to May 15, for fall from about August 15 to October 10, depending on season and locality. We have selected specimens in many varieties on which we would be glad to quote prices on receipt of list, stating kinds, sizes and numbers wanted.

All Evergreen Trees (except mail size) will be carefully dug with ball of earth about the roots and tightly sewed in burlap and will stand transportation and transplanting with little risk of loss. In planting it is not necessary to remove the burlap. Place tree in properly prepared hole, cut burlap in several places, firm earth tightly about ball of roots, water, and mulch. The "Mail Size" Evergreens are quite small, lifted without ball, packed in moist root-wrappings, and their weight when so packed for shipment by mail, not excessive.



ARBOR VITÆ (Thuya)

American. (White Cedar.) Erect, pyramidal habit with soft bright green foliage, dense from ground up; grows rapidly and soon forms a most beautiful tree. Like other types of Arbor vitæ, the American can be trimmed at will, or even closely sheared when sufficiently developed. This makes it available for use in formal hedges, either short or of screening height. Mail size, 35 cts.; 5 for \$1.25.

	Each	Per 10	Per 100
1½ to 2 feet.....	\$1.75	\$16.50	\$150.00
2 to 3 feet.....	2.75	25.00	225.00
3 to 4 feet.....	3.75	35.00	325.00
4 to 5 feet.....	5.50	50.00	.....
5 to 6 feet.....	8.00	.....	.....
6 to 7 feet.....	10.00	.....	.....
7 to 8 feet.....	14.00	.....	.....

Compacta. (Parsons.) Dwarf, dense little trees with light green foliage, neat and attractive. Useful for beds, borders, cemeteries or low growing hedges.

Mail size, 60 cts.; 3 for \$1.50.	Each	Per 10
15 to 18 inches.....	\$3.00	.....
18 to 24 inches.....	4.00	.....

Douglas Golden. One of the hardiest of all golden evergreens. Broad and bushy growth with long slender branches and bright yellow foliage.

1½ to 2 feet, \$3.50. 2 to 3 feet, \$5.00.

Ellwangeriana. A low, broad pyramid with slender branches; foliage intermediate in texture between Ericoides and American. Mail size, 60 cts.; 3 for \$1.50.

	Each	Per 10
18 to 24 inches.....	\$2.50	\$22.50
2 to 3 feet.....	3.50	30.00

Ericoides. (Heath-Leaved Arbor Vitæ.) A very pretty dense little shrub of the Tom Thumb type.

12 to 15 inches, \$1.50 each; 10 for \$12.50.

15 to 18 inches, \$1.75; 10 for \$15.00.

Mail size, 40 cts.; 3 for \$1.00.

Globosa. Forms a dense, low globe; handsome shade of green. Mail size, 60 cts.; 3 for \$1.50.

	Each
12 to 15 inches.....	\$2.25
15 to 18 inches.....	3.00



Hovey's Golden Arbor Vitæ

Hovey's Golden. A small, hardy tree, elliptical in form and very compact. Foliage light green with a golden tinge, very distinct, bright and pleasing shade.

Mail size, 60 cts.; 3 for \$1.50.

1½ to 2 feet, \$3.00; 10 for \$27.50. 2 to 3 feet, \$4.00.

Lutea. (George Peabody.) A beautiful variety, the gold marking diffusing itself more deeply into the foliage than in any other variety of tall Evergreen.

1½ to 2 feet, \$3.00. 2 to 3 feet, \$4.50.



Pyramidal Arbor Vitae

ARBOR VITÆ (Continued)

Oriental. A comparatively low, broadly pyramidal tree, native of Asia. Its color is a refreshing yellowish green similar to Hovey's, although dulling to bronzy green in winter. Mail size, 60 cts.; 3 for \$1.50. 2 to 3 feet, \$4.00. 3 to 4 feet, \$5.00. 4 to 5 feet, \$6.50.

Pumila. A handsome dwarf; dense, perfect form; a charming shade of green. 12 to 15 inches, \$2.50.

Pyramidalis. Most compact and erect of the entire species, in form almost a counterpart of the Irish Juniper. Foliage a deep green, retaining color. 2 to 3 feet, \$3.25 each; \$30.00 per 10. 3 to 4 feet, \$5.00 each; \$45.00 per 10. 4 to 5 feet, \$8.00. Mail size, 60 cts.; 3 for \$1.50.

Siberian. A superb variety, somewhat similar to American, with heavier and fuller foliage and more compact habit. It holds its color during winter and bears trimming well; one of the hardiest. Mail size, 60 cts.; 3 for \$1.50.

	Each	Per 10
1½ to 2 feet.....	\$3.00	\$27.50
2 to 3 feet.....	4.00	37.50
3 to 4 feet.....	6.00	

Tom Thumb. Small, compact, with feathery foliage; fine for low hedges, foundations, or cemetery lot. Mail size, 40 cts. each; 3 for \$1.00.

	Each	Per 10
15 to 18 inches.....	\$2.00	\$17.50
18 to 24 inches.....	2.50	22.50

Vervaeana. Erect habit and form like the American, with golden variegated foliage. 2 to 3 feet, \$3.50.

BOX (Buxus)

Tree. Familiar in old-fashioned gardens, indispensable in formal ones. It grows well in many soils and endures much pruning. Mail size, 30 cts.; \$2.50 for 10; \$15.00 per 100. 8 to 12 inches, bushy, 60 cts. each; \$5.00 per 10; \$40.00 per 100.

CYPRESS (Cupressus)

Nutkaensis. (Nootka Sound Cypress.) A choice pyramidal evergreen with heavy glaucous green leaves and spreading curving branches drooping at the tips. Perfectly hardy. 18 to 24 inches, \$4.00 each.

FIR—Abies

Concolor. (White Fir.) A picturesque Colorado species; long, leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches arranged in horizontal whorls. A grand tree making splendid specimens. By mail, 75 cts. each; 3 for \$2.00. 1½ to 2 feet \$4.50. 2 to 2½ feet, \$6.00.

Balsam. (American Silver.) A very regular, symmetrical tree, assuming the conical form even when young; leaves dark green above, silvery beneath. Mail size, 60 cts.; 3 for \$1.50. 2 to 3 feet, \$3.00 each; \$27.50 per 10. 3 to 4 feet, \$4.00.



JUNIPER (Juniperus)



English and Chinese Junipers

Chinensis. (Chinese Juniper.) One of the most ornamental Junipers for the lawn or garden. Pyramidal or columnar outline, foliage of a pleasing grayish green color when fresh, maturing to real dark green. Adaptable to extremes of temperature and association with varying sorts. 1½ to 2 feet, \$4.00. 2 to 3 feet, \$5.00.

English. Makes a dense pyramidal specimen; foliage, grayish green, 2 to 3 feet, \$3.00. 3 to 4 feet, \$4.00. 4 to 5 feet, \$5.50.

Excelsa. (Greek Juniper.) Compact pyramidal grower, making tall handsome specimens. 2 to 3 feet, \$3.00. 3 to 4 feet, \$4.00. 4 to 5 feet, \$5.00.

JUNIPER (Continued)

Horizontalis. A handsome, serviceable ground-covering type of closely radiating habit, the foliage more thread-like and distended than *Tamariscifolia*, yet denser and more prostrate than *Waukegan*; the color a healthy light green. $1\frac{1}{2}$ to 2 feet, \$3.75 each. 2 to 3 feet, \$4.50 each.

Horizontalis Glauca. Like the above, but colored a distinct steel blue. $1\frac{1}{2}$ to 2 feet, \$3.75 each.

Irish. Erect, slender and formal in habit; foliage sage green, very compact.

	Each	Per 10.
$1\frac{1}{2}$ to 2 feet.....	\$1.75	\$15.00
2 to 3 feet.....	2.50	22.50
3 to 4 feet.....	3.50	32.50

Japan. A dwarf, dense, spreading tree with light green foliage. 2 to 3 feet, \$5.50. 3 to 4 feet, \$6.50.

Japan Golden. Of moderate growth and spreading habit, the bronze-gold foliage constant throughout summer. 15 to 18 inches, \$3.50. 18 to 24 inches, \$4.50.

Pfitzeriana. The spiral branches are long and whip-like, densely furnished; very dark green; the first new growth thickly studding the expanse like silver beads. Mail size, \$1.00; 3 for \$2.50. $1\frac{1}{2}$ to 2 feet, \$4.00; 10 for \$37.50. 2 to 3 feet, \$5.50; 10 for \$50.00. 3 to 4 feet, \$7.50; 10 for \$70.00.

Savin. Handsome moss green foliage; main branches protruding from the crown at a 45° angle. A fine dwarf ground cover, or filler in Evergreen groups. Mail size, 75 cts.; 3 for \$2.00. 18 to 24 inches, \$3.25; 10 for \$30.00. 2 to 3 feet, \$4.25.

Stricta. A *chinensis* variety with a peculiar, conspicuous blue-green shade of color. Dwarf, very dense, cone-shaped; slow growing and useful in foundation plantings, or edging. $1\frac{1}{2}$ to 2 feet, \$4.00.

Swedish. (*J. Suecica*.) Tall growing, of formal, columnar habit. The foliage is dense, fairly broad, with drooping tips; in color glaucous green somewhat lighter and bluer than the Irish Juniper. 2 to 3 feet, \$3.25. 3 to 4 feet, \$4.00.

Dwarf Swedish. (*Suecica Nana*.) Dwarf compact; foliage light green, not changing in winter. $1\frac{1}{2}$ to 2 feet, \$2.50; 10 for \$22.50. 2 to 3 feet, \$3.00; 10 for \$27.50. 3 to 4 feet, \$4.00.

Tamariscifolia. (*Tamarix*-leaved.) A beautiful trailing form of *Savin*, with bluish green foliage. The construction is dense and very fine, especially attractive when showing new growth. 18 to 24 inches spread, \$4.00. 2 to 3 feet spread, \$5.00.

Virginiana Cannarti. A newly derived type resembling *Schotti* in leaf and character, midway in color between the pronounced yellowish green of that variety, and the darkness of *Virginiana*. 2 to 3 feet, \$4.50. 3 to 4 feet, \$5.50. 4 to 5 feet, \$8.00.

Virginiana Glauca. (*Blue Va. Cedar*.) Its broadly conical form and beautiful glaucous blue foliage make it one of the choicest Junipers. 2 to $2\frac{1}{2}$ feet, \$4.00. $2\frac{1}{2}$ to 3 feet, \$5.00. 3 to 4 feet, \$6.00.

Virginiana Schotti. A dense columnar form of the Red Cedar with light yellowish green foliage. Hardy and beautiful. 2 to 3 feet, \$4.00. 3 to 4 feet, \$5.25.

Waukegan. Ground-covering, closely compact. The beautiful silvery blue color assumes a rich purple autumn hue. 15 to 18 inch spread, \$2.50.

MAHONIA

Aquifolia. (*Holly*-leaved Ashberry.) A beautiful evergreen shrub, with smooth shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously throughout the year, assuming all shades of green, with flecks of red and bronze. Mail size, 50 cts.; 5 for \$2.00. 15 to 18 inches, \$1.50 each; 10 for \$12.50. 18 to 24 inches, \$2.00 each; 10 for \$17.50.

PINE—Pinus

Austrian. Broadbased, heavy needled, massive; darkest and richest green of the Pines, silhouetting to inky blackness against the sky-line. Quite densely and evenly branched, well furnished with attractive tufts of foliage. Mail size, 50 cts.; 3 for \$1.25. $1\frac{1}{2}$ to 2 feet, \$2.75. 2 to 3 feet, \$3.75.

Mugho. (Dwarf Pine.) Leaves short, stiff and formal, thickly distributed in tufts over the branches in a crowded way somewhat similar to *Austrian*, with an equal depth and richness of color; globular form. Mail size, 75 cts.; 3 for \$2.00. 12 to 15 inches, \$3.00.

Scotch. Quick, strong growth; valuable for protective screens; very hardy. As a rule it grows taller than *Austrian*, with softer needles, and shows a hint of reddish brown in its bark and forming cones.

$1\frac{1}{2}$ to 2 ft., \$2.50. 2 to 3 feet, \$3.50. Mail size, 60 cts. each; 3 for \$1.50.

White. (*Strobus*.) A strong featured, picturesque, rapid growing tree; with abundant silvery-green foliage, in long swaying clumps of soft needles. Attains great height and spread with age.

Mail size, 40 cts.; 3 for \$1.00.

	Each	Per 10
2 to 3 feet.....	\$3.00	\$27.50
3 to 4 feet.....	3.50	32.50
4 to 5 feet.....	4.50	42.50
5 to 6 feet.....	6.00	55.00
6 to 8 feet.....	7.50	70.00

NOTE:—On account of Federal Quarantine No. 26, White Pines cannot be shipped to any point west of Minnesota, Iowa, Missouri, Arkansas and Louisiana.





Retinispora Pisifera Aurea

RETINISPORAS

Filifera. The leading shoot grows upright, the branches are nearly horizontal, with long, drooping, tasseled ends. Pyramidal in outline; bright green. 1½ to 2 feet, \$3.25. 2 to 3 feet, \$4.00.

Filifera Aurea. Same form and habit of above; foliage bright golden yellow. 15 to 18 inch, \$4.00.

Obtusa Crippsii. A beautiful golden form of Japan Cypress, carrying its bright golden color well through the season. 1½ to 2 feet, \$3.50. 2 to 3 feet, \$5.00.

Obtusa Gracilis Aurea. A graceful small tree, the fern-like young shoots of a fine golden color. 2 to 3 feet, \$5.00. 3 to 4 feet, \$6.25.

Obtusa Nana Compacta. One of the finest of the family in showy arrangements of foliage, very dwarf, dense, slow-growing habit, and great depth of color. 12 to 15 inches, \$4.00.

Obtusa Youngi. Very graceful, feathery, golden foliage, on loose branches. 1½ to 2 feet, \$3.50. 2 to 3 feet, \$4.50. 3 to 4 feet, \$5.50.

Pisifera. Open and tall in growth, with erect branches pendulous at tips; foliage feathery, light green, glaucous beneath. 2 to 3 ft., \$4.50. 3 to 4 feet, \$5.50.

Pisifera Aurea. A bright golden form holding its color. Its habit runs to bushiness; an ideal type for corners, against dark brick. 2 to 3 feet, \$4.50. 3 to 4 feet, \$5.50.

Plumosa. An exceedingly handsome, acorn-shaped evergreen of medium tall growth, from Japan, with feathery, light green foliage. 1½ to 2 feet, \$3.00. 2 to 3 feet, \$4.00. Mail size, 50 cts. each; 3 for \$1.25.

Plumosa Aurea. Like the preceding; of a golden yellow color; close and compact habit. 1½ to 2 feet, \$3.00. 2 to 3 feet, \$4.00. Mail size, 50 cts. each; 3 for \$1.25.

Squarrosa Veitchii. Dense growth; soft beautiful silvery blue foliage, arranged in spirals which gives the impression of boiling over. Shows to best advantage close against dark greens. Mail size, 75 cts.; 3 for \$2.00. 1½ to 2 feet, \$3.00.

SPRUCE—(Picea)

Alba. (White Spruce.) One of the very best conifers, especially for cold climates. Compact, upright growing, long-lived, retaining its branches to the ground, aromatic, drought-resisting; varies in color from light green to glaucous blue. Mail size, 50 cts.; 3 for \$1.25. 1½ to 2 feet, \$2.50.

Colorado (Pungens). Vigorous and hardy, making fine specimens in a broad based, sharply defined pyramidal form; foliage rigidly angular with sharp needles very densely set. Light green color. 1½ to 2 feet, \$3.25. 2 to 3 feet, \$4.50.

Colorado Blue (Pungens Glauca). A selected blue shade, from foregoing. Mail size, \$1.50 each. 18 to 24 inches, \$6.50 each.

Douglasi. From the mountains of Colorado. A rapid grower, foliage somewhat resembles Hemlock, leaves light green above, glaucous below. Conical form, branches spreading, light and graceful. 1½ to 2 feet, \$3.00. 2 to 3 feet, \$4.00. Mail size, 75 cts.; 3 for \$2.00.

Hemlock. An elegant pyramidal tree with drooping branches and delicate, dark foliage. It is a beautiful lawn tree and makes a highly ornamental hedge. Mail size, 60 cts.; 3 for \$1.50. 2 to 3 feet, \$4.00; 10 for \$37.50. 3 to 4 feet, \$5.00.

Norway. A lofty, noble tree of open, pyramidal habit; exceedingly picturesque. Very popular and effective in evergreen groups, and one of the best for hedges. Mail size, 30 cts.; 10 for \$2.50.

	Each	Per 10.
1½ to 2 feet	\$1.50	\$12.00.
2 to 3 feet	2.25	20.00.
3 to 4 feet	3.25	30.00.

Norway Weeping. (Inverta.) A variety of the Norway with larger foliage, lateral branches drooping like a willow. 3 to 4 ft., \$6.00. 4 to 5 ft., \$7.50.

YEW—Taxus

Cuspidata Brevifolia. A handsome Japan Yew, with short richly dark green leaves; dense bushy habit. Hardest of the Yews, and one of the best compact, dwarf evergreens for edging and foreground. 12 to 15 inches, \$3.25 each. 15 to 18 inches, \$4.50.



Colorado Blue Spruce



FRUIT TREE DEPARTMENT

Page
149



Filling Orders.

We are in position to fill orders for stock in this department as soon as this catalogue reaches you. If your order is accompanied by at least 25 per cent of full amount, we will at once assemble the fruit or other trees then in storage, and "set aside" under your name until the date set or weather conditions permit, for shipping. Naturally, stock not "in cellar" must await suitable digging weather.

QUOTATIONS. We will be pleased to quote prices on definite lists, to anyone desiring different sizes of stock in larger quantities than offered herein.

Shipments.

We have the largest frost-proof storage cellars in the business, which every winter harbor an immense amount of perfectly kept stock. We can load under their cover and on our private switch, car-load shipments at any time without danger of injury to stock. But less-car-load shipments must naturally wait the breaking of severe winter. No nursery provides better materials or greater care in packing than ours. Just as early as we can safely let them go, early delivery orders are rushed out; and we work hundreds of men day and night to avoid unnecessary delay for our customers.

BY FREIGHT OR EXPRESS. Every article not specially priced "Mail size" is priced for delivery by Freight or Express, packed free, but customer to pay transportation charges. All heavy trees in large quantities should be sent by freight if time is not too urgent, as the carrying charge is much less; and our perfect packing admits a long journey without injury to the trees. Strawberry plants, however, are perishable and must be delivered in quickest time possible. We never ship them by freight.

GOOSEBERRY, CURRANT and WHITE PINE QUARANTINE. Our customers **IN THE WEST** will please bear in mind that we are not allowed by the National Department of Agriculture to serve you in the matter of Currants, Gooseberries or Five-leaf Pines. Not that S. & H. stock is affected by "Blister Rust," but because Quarantine No. 26 arbitrarily excludes these articles from entrance into the territory west of Minnesota, Iowa, Missouri, Arkansas and Louisiana, in order to protect the great Pine forests of the west.

SUBSTITUTION. We reserve the right, in case we are out of a variety, to substitute another of equal merit when it can be done (always labeling with correct name)—unless the party ordering says "No Substituting;" in which case we will fill order as completely as we can and refund balance of remittance.

DESCRIPTIVE CATALOGUE No. 1. A complete edition of one of the most comprehensive nursery catalogues published, profusely illustrated with half tone cuts made from photographs of desirable specimens, containing 112 pages giving full descriptions, will be mailed on receipt of 10 cents.

FRUIT TREES BY MAIL. Stock offered "Mail Size," will be delivered prepaid to your post-office. A cross (X) following descriptions indicates varieties we can supply in mail size. All one year old trees, vines, etc., well rooted, cut back to suitable size, guaranteed to reach you in good condition. Those wishing to save freight or express charges on long distance shipments, to plant young thrifty stock and train according to their own requirements, will find this size admirably suited to their needs.

CERTIFICATE OF INSPECTION, issued annually by the Ohio Dept. of Agriculture, showing freedom of our stock from San Jose Scale and other injurious insects and disease, will be attached to every shipment.

SPRAYING. The best time to spray, and the best formulas to use, vary so much in different localities that we do not try to give tables and formulas in this catalogue. Bulletins can be obtained of your State Agricultural Experiment Station, that will give full information.

Terms. Net cash with order. No discounts allowed. In the various classes, we will furnish 5 or more of one variety and size at 10 rates; 25 or more (not less than 5 of one variety and size) at 100 rates. **REMEMBER THAT WE EMPLOY NO AGENTS,** and are responsible only for orders sent to us through the mail or delivered in person.

Non-Warranty.

While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

(Signed)

THE STORRS & HARRISON CO.

Our Guarantee.

All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt

and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee growth. Remember a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

THE STORRS & HARRISON CO., Painesville, Ohio.





APPLES

There is a constantly increasing demand for high-quality fruit of all kinds, and in no class of fruit is the demand more noticeable than in Apples. With the proper selection of varieties and intelligent cultivation, there is no reason why the orchardist who makes a specialty of Apples should not have a business yielding him larger returns for the money and labor invested than almost any other horticultural industry. Where Apples are grown solely for home use, a wide range of varieties may be selected; and the extensive list of distinct kinds offered in our catalog afford the choicest varie-

ties in all desirable types; and covering the entire range of ripening seasons. "PLAN TO PLANT ANOTHER TREE" is a recent advertised Nursery slogan. Many of the delightful experiences with Nature are but transitory; but the Orchard endures, and may be passed on with its fruitful blessings, to posterity. Set trees 32 to 40 feet apart.

FILLERS. Most commercial orchards are now planted with standard varieties, 40 feet apart each way. Quick, upright growing, early maturing varieties are used as fillers, planting between standards to make 20 ft. apart; fillers to be removed when the standard trees require the room (12 to 18 years). This requires 28 standard and 82 fillers to the acre. **We recommend for fillers:**—Yellow Transparent, Duchesse of Oldenburg, Grimes Golden, McIntosh and Wealthy.

***This sign indicates the Russian and harder kinds. This sign (X) indicates we can furnish in Mail size.**

SUMMER APPLES

Bough. Large, pale yellow; tender, **sweet.** (X)

Early Harvest. Medium, pale yellow, tender, juicy.

Golden Sweet. Large, pale yellow, very **sweet.**

Liveland Raspberry. Fruit good sized, clear, waxen white striped crimson; flesh snow white. Blooms late, is blight resistant, bears early, makes a good filler.

***Red Astrachan.** Large, beautiful deep crimson. (X)

***Yellow Transparent.** Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young, and makes a profitable "filler." (X)

PRICE OF APPLES	Each	Per 10	Per 100
Standard Varieties, 5 to 7 ft.	\$0.75	\$6.50	\$ 50.00
“ “ 4 to 5 ft.	.65	5.00	40.00
“ “ 3 to 4 ft.	.40	3.50	25.00
Special Varieties—Cortland,			
Fameuse, Golden Russet,			
King David, Liveland, Mc-			
Intosh, Opalescent, R. I.			
Greening, Seek-no-Further,			
Spitzenburg, Sweet Bough,			
Tolman Sweet, Twenty Oz.,			
Williams Red and Wolf			
River—			
5 to 7 feet .....	.85	7.00	60.00
4 to 5 feet .....	.75	6.50	50.00
3 to 4 feet .....	.45	4.00	30.00
Ensee—4 to 5 feet .....	.75	6.50	50.00
“ 3 to 4 feet .....	.45	4.00	35.00
Crab Apples, 5 to 7 feet .....	.75	6.50	.....
“ “ 4 to 5 feet .....	.70	6.00	.....
Mail Size (X)—50 cts. each;			
3 for \$1.25 (Unless noted)			
Dwarf Apples—See list of			
varieties .....	.90	8.00	.....



Yellow Transparent



AUTUMN APPLES

Autumn Strawberry. Tender, juicy, productive.

***Duchesse of Oldenburg.** Good size, yellow, streaked red, juicy, sub-acid, productive. (X)

Fallawater. Large, yellowish green, productive.

Fall Pippin. Large, yellow, rich, aromatic.

Gravenstein. Large brightly striped, fine quality.

Maiden Blush. Large, beautiful bluish cheek. (X)

Munson Sweet. Good size, yellow, red cheek.

Rambo. Medium; yellow, streaked red. (X)

Western Beauty. Large, shaded bright red on pale yellow; crisp, tender, mild, sub-acid.

Williams Red. A handsome apple of oblong-conic form, medium sized. Its skin is bright red with only slight striping, this attractive color in conjunction with a very pleasant sub-acid flavor, making it popular for dessert. Aug.-Sept.

WINTER APPLES

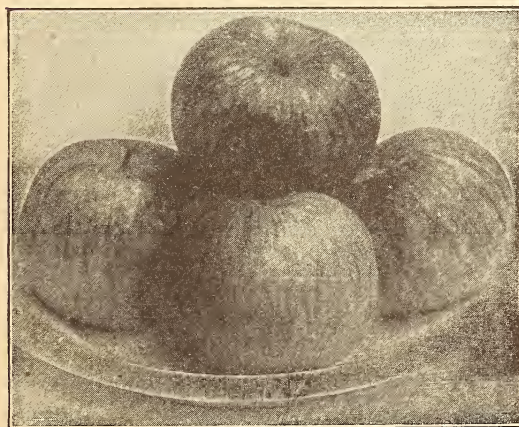
Baldwin. Large, bright red, crisp, juicy, rich. (X)

Banana. Fine, vigorous grower, large healthy foliage, early bearer. Fruit medium to large, smooth and handsome, golden yellow usually shaded bright crimson; flesh fine grained, rich, sub-acid, aromatic, highest quality. One of the best dessert apples. (X)

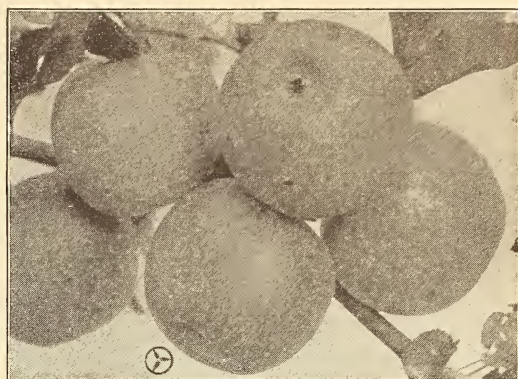
***Baxter.** A strong, vigorous grower, immensely productive, very hardy. Fruit uniformly large, handsome, showy red, mild acid, fine quality.

Ben Davis. Large, handsome, striped.

***Boiken.** Annual bearer, perfect foliage, vigorous grower. Fair size, yellow, tart acid, long keeper; at its best in spring when it is unexcelled for cooking.



Duchesse of Oldenburg



Jonathan—(P. 152)

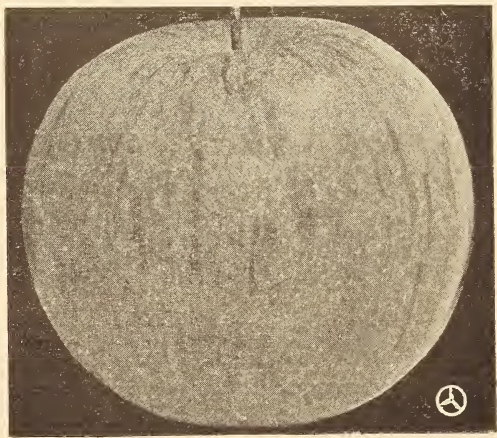
Cortland.

(See illustration on third page of cover.) A derivation from McIntosh, adding distinct perfections to that already very perfect apple. The tree; hardy, thrifty, early producing and long lived. The fruits: abundant, large, round, and handsome; attractive to the eye with their heavy overlay of shaded reds; and delightful to the taste with their brittle texture, luscious juiciness, and sprightly flavor. Better than McIntosh, because the fruits hang tenaciously to the tree; they are two to four weeks later, thus correspondingly extending their keeping period; and they better withstand the wear and tear of going to market. All-in-all, a remarkably fine second season cropper for commercial orchards, equally good for cooking or dessert. Mail size, \$1.00 each. (X)

Delicious. A remarkable recent novelty introduction, which has established its claim to first rank both for commercial and home orchards. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy, with a delightful aroma; of very highest quality. A splendid shipper, bearing annually. (X)

Dominie. (Winter Rambo) Large, greenish yellow, striped red; flesh white, tender and juicy.

Ensee. A delightful example of modern improvement, originated in Ohio's central apple district. A dull red apple suggesting its Rome Beauty strain in size and form; the crisp, tender, yellow flesh comparing with Jonathan and Grimes Golden for flavor; retaining its juiciness much longer than either. Will rank high among late-keeping winter apples as it becomes more widely distributed and better known.



Ensee



McIntosh

WINTER APPLES (Continued)

- ***Fameuse.** (Snow.) Med., deep crimson, flesh white. (X)
- ***Gano.** An improved Ben Davis, nearly covered red.
- Gideon.** Vigorous, early and prolific bearer. Medium golden yellow; fine, juicy, sub-acid.
- Golden Russet.** Medium, dull russet, crisp, juicy.
- ***Grimes.** Good size, yellow, of highest quality. (X)
- Hubbardston.** Large, red, striped, tender, juicy.
- Jonathan.** Medium; red, extra quality. (X)
- King** (of Tompkins County.) Unusually large, red and striped, exceedingly productive.
- King David.** An improved Jonathan, as to color and productiveness, not quite as good quality. Medium size, dark red, a splendid shipper and keeper. Tree hardy, strong grower, comes into bearing young.
- ***McIntosh.** Large, deep crimson, highest quality, juicy, sub-acid. Good for both culinary use and dessert. One of the best red winter apples. (X)
- Northern Spy.** Large, striped, mild sub-acid and tender, with a rich, delicious flavor. (X)
- ***Northwestern** (Greening). Hardy, yellow, rich, of good size; an extra long keeper, which makes it a stand-by to finish the winter for cooking purposes.
- ***Ontario.** Large, yellow, nearly covered with bright red, juicy, sub-acid.
- Opalescent.** Color light, shading to very dark crimson; skin smooth, susceptible of a very high polish, reflecting objects like a mirror; flesh yellowish, tender, juicy and good. Dec. to March.
- Paradise Winter Sweet.** Large; creamy, rosy cheeked.
- Paragon** (Mammoth Black Twig). Large, dark red, hardy and productive, vigorous grower.
- Rhode Island Greening.** Large, greenish yellow, tender, juicy, rich, acid. The old reliable Winter cooking apple, and also good for dessert. (X)
- Rome Beauty.** Large, yellow, shaded red; tender, juicy, sub-acid. A leader in Ohio River District. (X)
- Seek-no-Further.** A well remembered and still popular dessert favorite of the old orchards. Develops best in warm, free soil; the tree being very hardy, moderately vigorous, reasonably productive. Fruit is medium sized, round, firm, keeping nearly as late in storage as Baldwin. The flesh is creamy, pleasantly flavored; skin bronzy yellow, heavily oversplashed with dull red, russet dots conspicuous towards basin.
- Spitzenburg.** An old favorite, long a standard general utility sort; equally enjoyable as dessert, or in the various culinary usages. Medium to large, all-over bright red, faintly darker striped and dotted. Flesh tinged with yellow, sprightly sub-acid, juicy and aromatic.
- Stark.** Large, striped light and red, juicy, mild, sub-acid. An early and abundant bearer.

Stayman Winesap. Larger and more prolific than Winesap. One of the finest grown for appearance, flavor and juiciness; a favorite for cider. (X)

Tolman. Medium, yellow and red, rich, sweet. The most valuable apple for baking, and otherwise fine.

Twenty Ounce. Very large, yellow, striped red.

Wagener. Good size, deep red in the sun; flesh firm, sub-acid, excellent quality deserving more general appreciation and use. One of the earliest bearers, fruit often setting on trees still in the nursery rows.

***Wealthy.** Few varieties that are at once so hardy and so productive yield fruit of such good quality—white-fleshed, juicy and vinous; of medium size, smooth, round and deep red. Oct. to Jan. (X)

Winesap. Medium, deep red; firm, crisp, sub-acid.

***Wolf River.** Large, handsome; yellow, shaded and striped red, juicy, pleasant spicy flavor.

York Imperial. (Johnson's Fine Winter.) Medium to large; yellow, shaded red; firm, juicy, sub-acid.

DWARF APPLES



Low growing and low branched;
stocky and sturdy.

Set trees 8 to 10 feet apart. Very productive, usually commence bearing the second year after planting. Excellently adapted to yard and small gardens. Can furnish: Baldwin, Delicious, Fameuse, McIntosh, No. Spy, Red Astrachan, Stayman Winesap, Wealthy and Yellow Transparent—only.

CRAB APPLES

For preserving, jellies and ornament. All are unequaled for cider or vinegar. The trees are noted for their hardiness and vigor and usually bear the second season after planting.

Florence. Originated in the rigorous climate of Minnesota, and popular throughout the west for its hardiness. Early; a beautiful carmine color.

Hyslop. Large; deep crimson; one of the most beautiful; very popular. Oct. to Jan. (X)

Martha. Beautiful, glossy yellow, shaded bright red, good size, mild, clear, tart. Oct.

Whitney. One of the largest, glossy green, splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider. August.



PEARS

The Pear tree will grow on almost any good soil, but thrives best in a rather heavy clay or loam. Standards planted 18 to 20 feet apart, are best for permanent orchards; dwarfs at 10 feet intervals, for fruit gardens or small lots. Dwarfs must be planted deep enough to cover the junction of pear and quince 2 or 3 inches. This mark (X) indicates available mail size.

All can be supplied as **standards**, and all varieties starred (*) can also be supplied as **dwarf**.

PRICE OF PEARS

	Each	Per 10	Per 100
Standard —General List, 5 to 7 ft.	\$1.00	\$9.00	\$80.00
“ “ “ 4 to 5 ft.	.90	8.00	65.00
“ Bosc, 5 to 7 feet....	1.50	12.50	.....
“ “ 4 to 5 feet....	1.25	10.00	.....
“ Seckel and Worden, 4 to 5 ft.	1.25	10.00	.....
“ Kieffer, 5 to 7 feet... 4 to 5 feet...	.75 .65	6.50 5.00	50.00 40.00
Dwarf Pears , 4 to 5 feet.....	.85	7.50	70.00
“ “ 3 to 4 feet.....	.75	6.50	50.00

Mail size (X)—75 cts. each; 3 for \$2.00.

SUMMER PEARS

- ***Bartlett.** Large, buttery, juicy, high-flavored, great bearer. This sort has long been considered one of the choicest canning varieties, as well as a favorite for all other uses. Aug. (X)
- ***Clapp.** Very large, yellow and dull red, with russet specks, melting, rich. August. (X)
- ***Tyson.** Medium, melting, juicy, good. Aug.
- ***Wildcr.** Small to medium, yellow, shaded carmine, fine grained, tender, sub-acid. Vigorous grower. Early Aug.

AUTUMN PEARS

- ***Anjou.** Large, buttery, melting, rich, vinous. The best late fall and early winter variety. Oct. to Jan. (X)
- ***Duchesse** (of Angouleme). Very large, buttery, rich, juicy, excellent. The most popular market variety as a dwarf. Oct. and Nov. (X)

Flemish. Large, juicy, rich; one of the hardiest and most popular. Sept. and Oct. (X)

***Howell.** Large, yellow, with red cheek, rich, sweet, melting, early bearer, productive. Sept. and Oct.

***Kieffer.** Its large size, handsome appearance, and remarkable keeping and shipping qualities make it very profitable for market. Oct. and Nov.

***Louise.** (Louise Bonne de Jersey.) Good size, greenish yellow, with a bright red cheek. Sept.-Oct.

Rossney. Ripens about two weeks after Bartlett, averaging larger; creamy skin with crimson blush; flesh melting, juicy, sweet and tender, of superior flavor. A vigorous grower, and very productive.

***Seckel.** Small; skin rich yellowish brown when fully ripe, with deep brownish red cheek; flesh very fine grained, sweet, exceedingly juicy, melting, buttery; one of the highest flavored pears known; for dessert and pickling. Sept. and Oct. (X)

Sheldon. Medium size; yellow, with a richly shaded cheek; flesh a little coarse, melting, juicy, with a very brisk, vinous highly perfumed flavor. Oct.

Vermont Beauty. Tree hardy and vigorous, and abundant bearer. Fruit medium yellow with red cheek; rich, juicy, best quality. Oct.

Worden. A seedling of the Seckel, equal in quality, while in flavor, size, color, form and appearance it is decidedly superior. Hardy and an enormous bearer; fruit keeps well, retaining its quality to the last. Oct.

WINTER PEARS

Winter Pears may be gathered late, then stored in any dry cellar and kept until early summer.

Bosc. Vigorous trees; finest quality, extra large, long and tapering; russet; good shipper, brings highest market price. Nov.-Dec. (X)

Drouard. Large, melting, juicy, delicate perfume. Tree hardy and vigorous. Feb. to March.

Easter. Large, yellow with red cheek; fine quality.

Lawrence. Medium, yellow with brown dots, melting, pleasant, aromatic. Nov. and Dec.

PLUMS

THE market for plums is rarely over - stocked, and they bring good profitable returns.

Annual sprayings with Bordeaux mixture keep away the leaf blight and fungus, and the thinning of too heavy crops of fruit prevents fruit rot. Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for the fowls, while the chickens obligingly eat up the brood of insects which threaten the health of the tree.

Set trees 16 to 20 feet apart.



An inspiring springtime prospect

PRICE OF PLUMS 2 year—European and

	Each	Per 10	Per 100
Japan, 5 to 7 ft...	\$0.85	\$7.50	\$65.00
4 to 5 ft...	.70	6.00	50.00
Prunus—Pissardi and Othello,			
4 to 5 feet.....	1.00	9.00	.....
3 to 4 feet.....	.85	8.00	.....
2 to 3 feet.....	.75	7.00	.....
Native—Wild Goose, 1 year,			
4 to 5 feet.....	.70	6.00	.....

Mail size (X), 75 cts.; 3 for \$2.00.

EUROPEAN PLUMS

Archduke. Large, black, prolific. Early Oct.

Bavay's Green Gage. ("Reine Claude.") Large, round-ovate; green, marked with red in the sun; hang long on the tree. One of the best. Late Sept. (X)

Bradshaw. (See illustration in color on third page of cover.) Large dark red, flesh green, juicy, productive, fine for market. Aug. (X)

Diamond. One of the most attractive. Enormous size, dark purple with beautiful bloom. Tree vigorous, productive and hardy. Sept.

German Prune. Large, dark purple, sweet, good. One of the most popular for canning, because of its sweetness, Sept. (X).

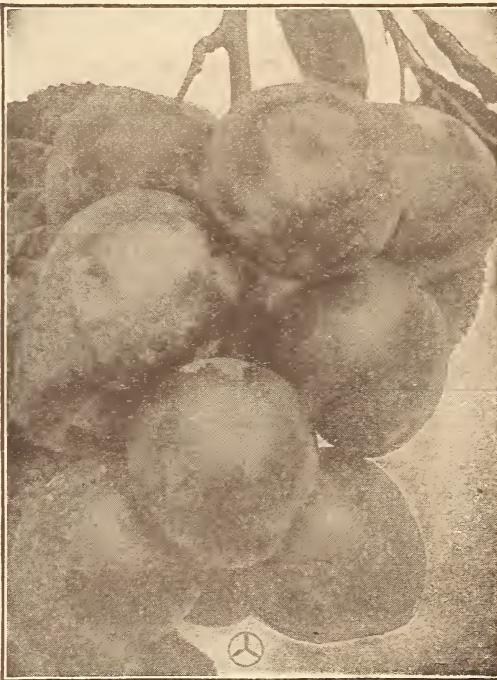
Grand Duke. Color of Bradshaw; fruit very large, of fine quality, free from rot; very productive. Tree moderate grower. Last Sept.

Gueii. Large, bluish purple, flesh yellowish green, rather coarse; sweet, pleasant. Sept.

Imperial Gage. Large pale green, juicy, sweet, rich and excellent. Aug.

Italian Prune. (Fellenberg.) Good size, purple, juicy, delicious, fine for drying. Sept.

Lombard. Medium, violet red, juicy, good, hardy and exceedingly productive; probably the leading market variety, extensively used for pies. Aug. (X)



Monarch

Lombard



EUROPEAN PLUMS (Continued)

Monarch. Tree robust, dense foliage, and abundant bearer. Fruit very large, roundish, oval, dark purplish blue, perfect freestone. Follows Grând Duke in ripening. Oct. (X).

Moore's Arctic. Small, purplish-black, juicy, sweet; immense bearer; one of the hardiest in bud and bloom. Sept.

Peters Yellow Gage. Large, oval, bright yellow; rich, juicy, fine quality. A good grower. Sept.

Pond. A magnificent plum, red, changing to violet. Sept.

Shippers' Pride. Large, dark purple, very showy, often measuring 2 inches in diameter; fine, juicy and sweet. Sept.

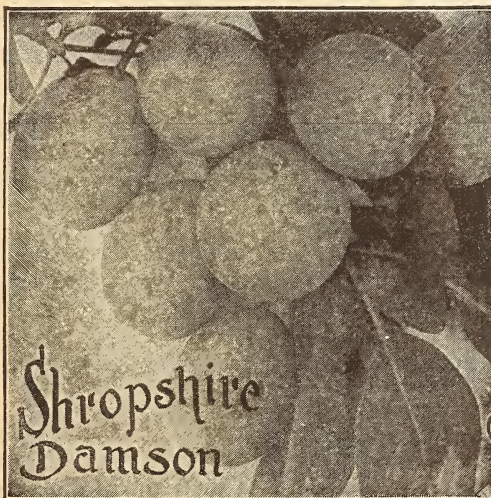
Shropshire Damson. Medium, dark purple, very productive; one of the best for preserving. Oct. (X)

Yellow Egg. Very large, egg-shaped, productive, excellent for cooking. Aug. (X)

JAPAN or ORIENTAL PLUMS

The Japanese Plums are strong growing ornamental trees with light green foliage and attractive bloom, wonderfully productive and usually commence bearing the second or third year after planting. Fruit of nearly all varieties are large, fine quality, with firm, meaty flesh. They bloom very early; not adapted to sections subject to late spring frosts.

Abundance. (Botan.) One of the oldest and best varieties; hardy, productive. Fruit large, lemon yellow, with heavy bloom; good quality. Aug.



Burbank. Most profitable among growers for market; ripens 10 days after Abundance. Tree hardy sprawling vigorous grower, unequaled in productiveness; bears young. Fruit large, excellent quality; cherry red, with lilac bloom. Aug. (X)

Maynard. Sturdy, strong and very rapid grower, with heavy luxuriant foliage. Fruit is very large, nearly round, color deep, dull red, thin whitish bloom. Flesh firm, melting and juicy, rich and sweet, extra fine quality. Its shipping qualities are unsurpassed. Follows Climax in ripening.

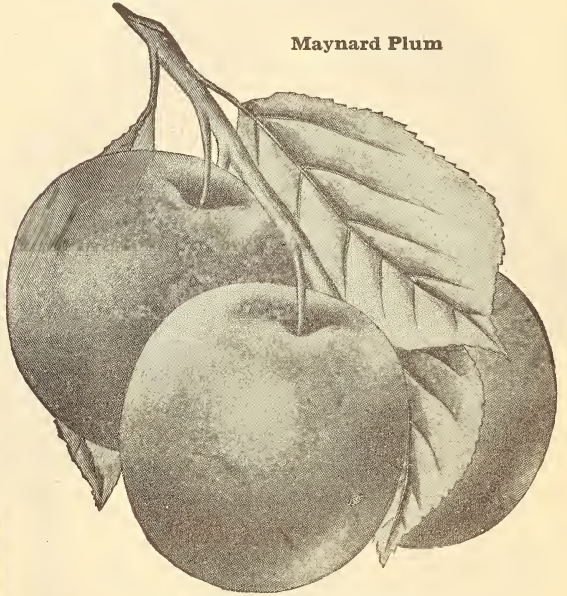
October Purple. A strong, vigorous grower, hardy, productive, of good quality; a large, round, late purple plum, especially recommended for late market.

Red June. One of the vigorous, upright growers; productive; fair size, vermilion red; pleasant quality. Ripens a week before Abundance. Aug.

Santa Rosa. Tree a strong, vigorous, upright grower. Fruit uniformly large, deep purplish crimson with blue bloom; flesh purple shaded scarlet; pit small; the eating quality is rich, fragrant, delicious; early.

Wickson. Fruit remarkably handsome, very large, long heart-shaped, color deep maroon red covered with white bloom; flesh firm and meaty, yellow, rich and aromatic; cling; pit small. Tree an upright vigorous grower. Excellent keeper and shipper, planted largely for market. Early Sept.

Maynard Plum



MISCELLANEOUS PLUMS

Othello. Tree is an upright grower, and a prolific bearer; fruit deep crimson, about one inch in diameter, ripening before the very earliest of ordinary plums. The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

Prunus Pissardi. A small sized tree with very rich purple leaves, carrying their color throughout the season. Although highly ornamental with its valued purple foliage, and profusion of white spring bloom, its fruit is valueless. (X). Further described under Shrubs.

Wild Goose. A very hardy and reliable native variety, valued for its own desirability, as well as because in some rigorous climates, none but the native type will survive. It bears delightfully juicy and sweet fruit in July; medium size, red with blue bloom.



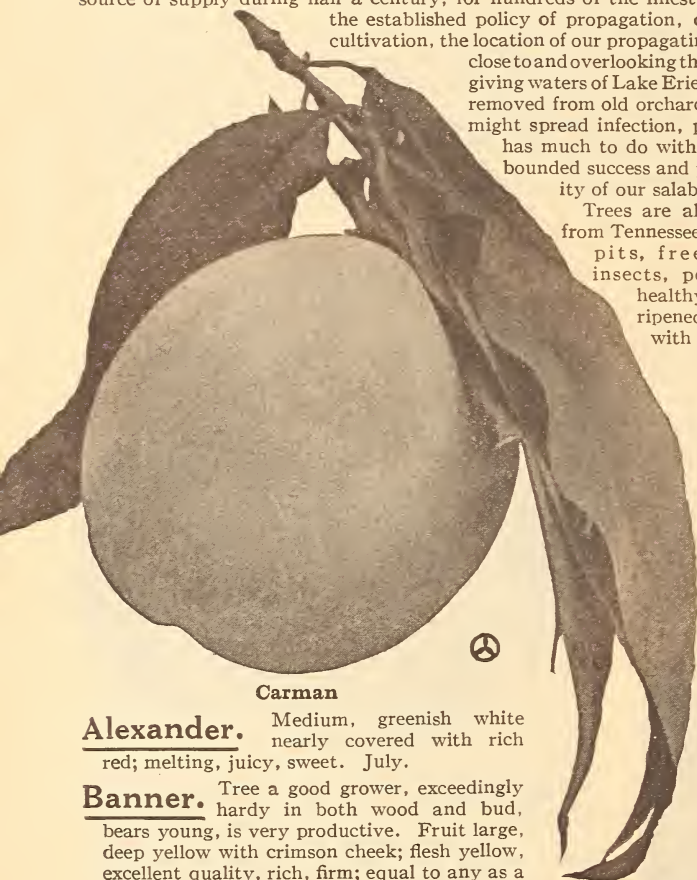
THIRTY orchards of virile, well-grown Peach trees have done much to bring wealth to many a farmer in the great Peach belts of Ohio and Michigan; and serve as living memorials to the virility, health and quality of the nursery stock sent out by "The Painesville Nurseries." Our nurseries have been the main source of supply during half a century, for hundreds of the finest Peach Orchards in the country. Aside from the established policy of propagation, care and cultivation, the location of our propagating fields,

close to and overlooking the health-giving waters of Lake Erie, and far removed from old orchards which might spread infection, probably has much to do with the unbounded success and popularity of our salable trees.

Trees are all grown from Tennessee natural pits, free from insects, perfectly healthy, well ripened wood, with splendid

roots, all stored in frost-proof cellars beyond injury during the winter.

Early Elberta on the job
Set trees 16 to 18 feet apart.



Carman

Alexander. Medium, greenish white nearly covered with rich red; melting, juicy, sweet. July.

Banner. Tree a good grower, exceedingly hardy in both wood and bud, bears young, is very productive. Fruit large, deep yellow with crimson cheek; flesh yellow, excellent quality, rich, firm; equal to any as a keeper and shipper. A profitable late market variety. Late Sept.

Barnard. Medium, yellow, juicy and rich. Hardy and productive. Early Sept.

Beers. A large, yellow flesh peach, an improvement on Smock Free, which it resembles. Ripens a few days later and is a better annual bearer. One of the most desirable and profitable market sorts, a favorite for late canning.

Belle. (Belle of Georgia.) Very large; skin white with red cheek; flesh white, firm and of excellent flavor. Tree a rapid grower, very prolific. Ripens with Crawford's Early.

Price of Peaches	Each	Per 10	Per 100
4 to 5 feet.....	\$0.45	\$3.50	\$30.00
3 to 4 feet.....	.40	3.00	25.00
2 to 3 feet.....	.30	2.00	15.00

Mail size—All varieties listed—45 cts. ; 5 for \$2.00.

Carman. Large, resembles Elberta in shape; color, creamy white or pale yellow with deep blush, skin very tough, flesh tender, fine flavor, quite juicy. August.

Champion. Large variety, creamy white, red cheek, sweet, rich and juicy. Hardy and productive. August.

Crosby. One of the hardiest; abundant, medium, bright yellow, fine quality. Middle Sept.

Dewey. Hardy, productive, earliest and best yellow freestone. July.

Early Crawford. A magnificent yellow. Early Sept.

Early Elberta. Ripens about a week earlier than Elberta; otherwise the same, or a trifle better quality.

Elberta. Large, yellow, with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. The leading market variety. Follows Early Crawford.

PEACHES (Continued)

Engle. Large, yellow; resembles Late Crawford but more productive. September.

Fitzgerald. Fruit large; bright yellow, suffused with red; flesh deep yellow, best quality. September.

Gold Drop. Medium size, hardy, very productive, good quality, early bearer. Last September.

Heath 'Cling. Very large, flesh white, juicy and melting. Good keeper and shipper. One of the prime favorites among clingstones. October.

Hill's Chili. Medium dull yellow. Extra hardy and productive. Last Sept.

J. H. Hale. Probably no new peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden-yellow, with deep carmine blush. (See illustration on third page of cover.)

Kalamazoo. A leading market sort. Large, yellow, fine quality. Productive and profitable. Early Sept.

Late Crawford. A superb, large, yellow peach. One of the best. Late September.

Lemon Free. Lemon-shaped and colored, large size, immensely productive, excellent quality. One of, if not the best, for canning. September.

Mayflower. Bright red cheeked. Carries to market in fine shape and sells well, as it is the only early peach that is well colored. Inclined to overbear, it should always be thinned. July.

Mountain Rose. Large, red, flesh white, juicy, excellent; one of the best. August.



Niagara

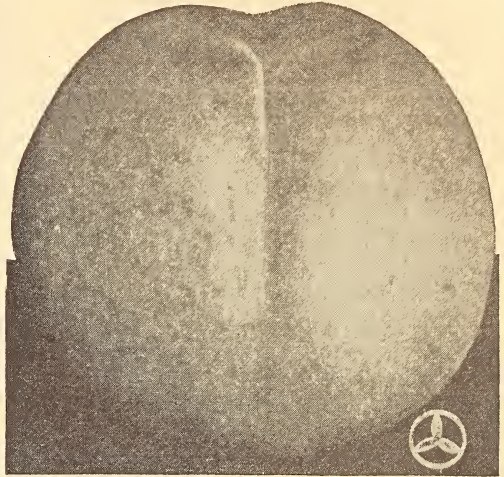
Niagara. A very large, yellow peach, ripening between Crawford and Elberta; surpassing both in size, color, quality and vigor.

Old Mixon Free. Large, pale yellow, deep red cheek; white flesh, tender, rich, good. September.

Prolific. Large, attractive, firm, flesh yellow, fine flavor; hardy, productive. September.

Rochester. A quite early yellow freestone (ripening about August 10), with extraordinary sweetness and quick bearing. Fruit is large, yellow, sweet, juicy and of delicious flavor; keeping and shipping well; skin prettily blushed. Tree is strong growing and hardy, an annual and prolific cropper.

Salberta. A highly successful cross between Salway and Elberta, conserving the size, quality and productiveness of Elberta for the more profitable later picking due to Salway's influence.



Stearns

Two to three weeks later than Elberta, richly yellow and succulent, it is bound to briskly rival the Smock for market supremacy during the latter's well established season.

Salway. Large, creamy yellow, red cheek, flesh deep yellow, juicy, rich, sweet. October.

Smock Free. So enormously productive as to be classed among the best market sorts. A fine, large, yellow peach. Late September.

St. John. Nearly as large as Crawford, fully equal in color. Fruit round, brilliant, showy; one of the earliest yellow peaches. August.

Stearns. A perfect freestone, with yellow flesh and brilliant red skin. As a shipper it cannot be surpassed. Tree is a strong, upright grower, extremely hardy, free from disease. Follows Elberta.

Stump. Large, white, bright red cheek. End of Sept.

Triumph. Ripens with Alexander, blooms late, sure and abundant bearer; strong vigorous grower. Fruit good size yellow with red crimson cheek.

Williams. Large, handsome, hardy, very productive, excellent shipper. One of the most profitable clingstones. Mid. September.

Wilma. The fruit is large as Elberta (its parent), not quite so elongated; color very much better, and ripens about ten days later. Its more attractive color outsells Elberta when side-by-side on the market.



Wilma

CHERRIES

Naturally hardy, succeeding best on sandy or gravelly loam, well drained. Avoid low or wet ground. **Sweet** varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 feet apart. The **Sour** varieties are dwarf and bushy, bear earlier; are more largely planted. Set trees 15 to 18 feet apart.

PRICE OF CHERRIES		Each	Per 10	Per 100
Sweet,	5 to 7 feet.....	\$1.25	\$11.00	\$100.00
"	4 to 5 feet.....	1.00	9.00	80.00
Sour,	4 to 5 feet.....	.95	8.50	70.00
"	3 to 4 feet.....	.80	6.50	55.00
Large Montgomery				
	4 to 5 feet.....	1.00	9.00	75.00
	3 to 4 feet.....	.85	7.00	60.00

Mail size (X)—Sweet—\$1.00; 3 for \$2.75.

Mail size (X)—Sour—80 cts.; 3 for \$2.25.



Napoleon

Windsor. Fruit large, liver-colored, distinct, flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July. (X)

Yellow Spanish. Large, yellow and red. June. (X)

SOUR CHERRIES

Baldwin. Large, round, slightly sub-acid, sweetest and richest of the Morello type. June.

Dyehouse. A sure bearer, largely planted for early market; ripening a week before Early Richmond, which it closely resembles. June.

Early Richmond. A dependable variety which seldom misses a crop. Medium, dark red, melting, juicy, sprightly, rich acid, best. Late June. (X)

English Morello. Fair size, blackish red, rich acid, juicy, good. This is a favorite variety for late canning. August. (X)

Hortense (Reine Hortense). Large, bright red, juicy; mildest, sweetest in this class. July.

Large Montmorency. Large, red, productive, ten days later than Early Richmond. July. (X).

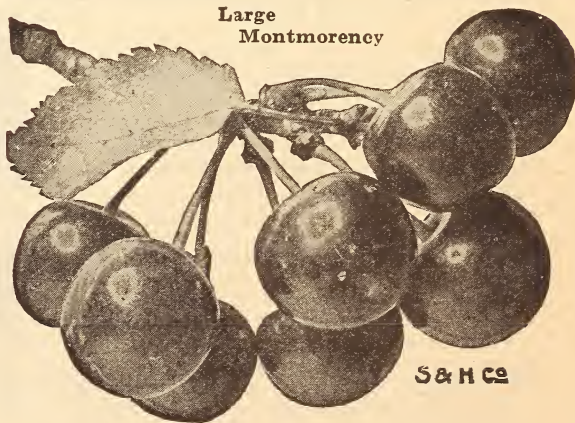
Late Duke. Large, light red, delicious fruits. Tree strong and upright, very productive. July.

May Duke. Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth.

Montmorency Ordinaire. Large, red, acid, exceedingly productive. Late June.

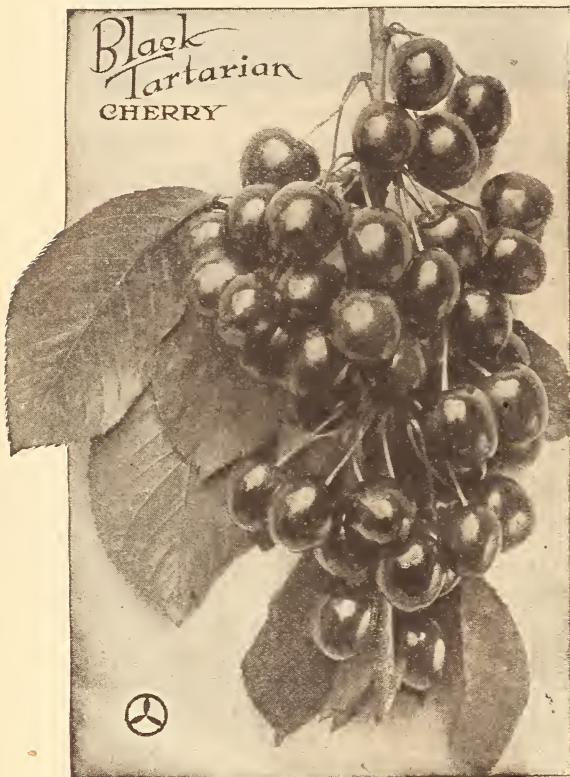
Wragg. Very hardy, vigorous and productive, medium, dark purple, fine quality. Aug.

**Large
Montmorency**



S & H CO

**Black
Tartarian
CHERRY**



SWEET CHERRIES

You will note in the descriptions that these come in three distinct colors—red, black, and yellow—and cover two months in their fruiting seasons.

Bing. Very large, dark brown—almost black; flesh firm, sweet, rich and delicious. One of the most profitable sorts. July. (X)

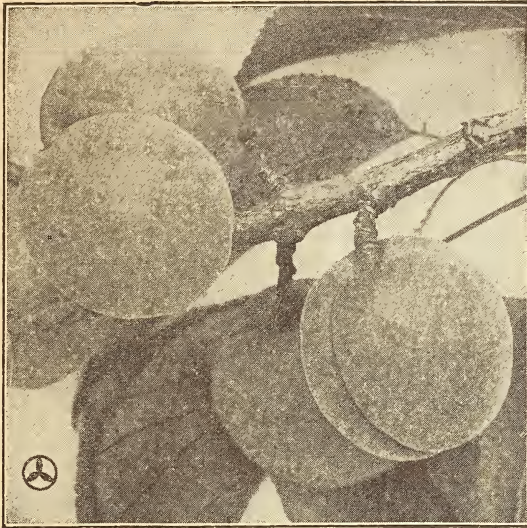
Black Tartarian. Very large, black, juicy. Last of June. (X)

Gov. Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June. (X)

Lambert. Jet black when fully ripe. Flesh firm solid, rich and juicy. Tree rugged, strong grower, hardy, enormous bearer. Late July. (X)

Napoleon. (Royal Anne.) Large, pale yellow or red; firm, juicy, sweet and productive. July. (X)

Schmidt. Immense size, deep black, flesh dark, tender, very juicy, fine flavor; productive. July. (X)



Superb Apricot

APRICOTS

Their fruit ripens between Cherries and Peaches. The trees, as hardy as the Peach, should be planted on a northern or western exposure to prevent early blooming. They need the same treatment for curculio as the Plum. Set trees 16 to 18 feet apart.

PRICE OF APRICOTS

	Each	Per 10
4 to 5 feet.....	\$0.80	\$7.00
3 to 4 feet.....	.65	5.00

Mail size (X), 50 cts.; 3 for \$1.25.

EUROPEAN VARIETIES

Early Golden. Small, pale orange, juicy, sweet. (X)

Montgamet. Fruit large, round, early, deep yellow with a fine blush; flesh yellow, firm, juicy and excellent. Tree hardy, a good grower.

Moorpark. Yellow, with red cheek, juicy, sweet and rich, freestone, very productive. (X)

Royal. Large, yellow, juicy, rich and delicious; a very fine variety.

RUSSIAN VARIETIES

These are quite distinct from the European varieties, hardier and will produce fruit when other apricots fail. Recommended where peaches cannot be grown.

Alexander. Prolific early freestone; orange with red blush.

Alexis. Large size, sub-acid, yellow with red blush.

Superb. A hardy seedling from Kansas. The best flavored, most productive hardy apricot yet produced. Medium size, light salmon color. (X)

NECTARINES

The Nectarine has a smooth skin like the plum, and requires the same treatment for curculio. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is remindful of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

PRICE OF NECTARINES

	Each	Per 10
4 to 5 feet.....	\$0.85	\$7.50
3 to 4 feet.....	.75	6.50

Boston. Bright yellow, red cheek; flesh yellow.

Red Roman. Greenish yellow, red cheek; flesh golden.

MULBERRIES

Sweet, juicy cylindrical fruits in season succeeding the Cherries. Seldom picked off the trees, but gathered up after they have dropped, from clean grass purposely grown beneath and kept close-cropped.

Downing. Fruits one to two inches long by one-half inch thick; juicy, with sprightly, sugary, vinous flavor. Maroon, maturing to intense blue black. (X)

New American. Equal to Downing in all respects, and a much hardier tree. Vigorous grower, very productive; ripening from June to September; the best large fruiting variety for northern section. (X)

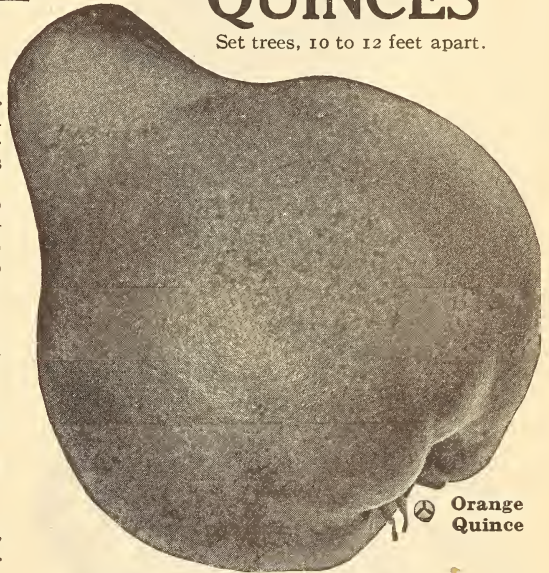
Russian. Very hardy, vigorous grower; valuable for feeding silk worms, for hedges, fences and waste food supply in poultry yards. Fruit of small size, varies in color from white to black.

PRICE OF MULBERRIES

	Each	Per 10	Per 200
Russian, 4 to 6 feet.....	\$0.60	\$5.00	\$45.00
" 3 to 4 feet.....	.50	4.00	35.00
New American, and Downing, 3 to 4 feet.....	.90	8.50	.....
1 year, by mail. (X).....	1.00	.....	.....

QUINCES

Set trees, 10 to 12 feet apart.



Orange Quince

The Quince crop is usually reliable and not often destroyed by capricious weather variations. The fruits are highly regarded for preserving, for jelly, and above all for that delectable, golden composition, "Quince Honey." Both fruit and flowers are quite fragrant, and the trees and bloom highly ornamental.

PRICE OF QUINCES

	Each	Per 10	Per 100
4 to 5 feet.....	\$1.00	\$9.00	\$80.00
3 to 4 feet.....	.85	7.50	65.00

Mail size (X) 75 cts.; 3 for \$2.00.

Champion. A prolific, very young and constant bearer, fruit averaging larger than the Orange, more oval in shape; quality equally fine, and a long keeper. Ripens late. (X)

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance; its cooking qualities are unsurpassed.

Orange. Fruit large, bright yellow, of excellent flavor. Oct. (X)

Rea. A seedling of the orange, averaging much larger, of the same form and color; productive.



Worden (See P. 161)

Niagara
(P. 161)

GRAPE VINES

EVEN under unfavorable conditions the grape-vine will bear fruit, but good culture, pruning and spraying should be applied if the best quality of fruit is desired. No part of the fruit garden yields a richer harvest than the vineyard. Along almost any garden fence or walk there is room for vines enough to furnish luscious grapes from August to October. In such situations they may be planted about 8 feet apart. In vineyard rows set the vines 6 to 10 feet apart, with 8 feet of space between the rows. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery.

We have splendidly rooted, first-class vines on hand; write for special prices on large lots.

PRICE OF GRAPE VINES		Each	Per 10	Per 100	Per 1000
Agawam,	1 year	\$.20	\$1.50	\$12.00	.....
"	2 years	.25	2.00	16.00	.....
Brighton,	1 year	.35	3.00	25.00	.....
"	2 years	.45	4.00	35.00	.....
Caco,	1 year	.60	5.00	40.00	.....
"	2 years	.75	6.50	55.00	.....
Campbell,	1 year	.20	1.80	15.00	.....
"	2 years	.30	2.50	20.00	.....
Catawba,	1 year	.20	1.50	12.00	.....
"	2 years	.25	2.00	16.00	.....
Concord,	1 year	.15	1.20	8.00	\$ 60.00
"	2 years	.20	1.50	11.00	80.00
Delaware,	1 year	.30	2.50	.....	.....
"	2 years	.40	3.50	.....	.....
Diamond,	1 year	.20	1.50	12.00	.....
"	2 years	.25	2.00	17.00	.....
Green Mt.,	1 year	.45	.....	.....	.....
"	2 years	.60	.....	.....	.....
Ives,	1 year	.25	2.00	16.00	.....
"	2 years	.30	2.50	20.00	.....
King,	1 year	.40	3.50	.....	.....
"	2 years	.50	4.50	.....	.....
Lindley,	1 year	.25	2.00	16.00	.....
"	2 years	.30	2.50	20.00	.....
Lucile,	1 year	.30	2.50	20.00	.....
"	2 years	.35	3.00	25.00	.....
Moore's Early,	1 year	.20	1.50	10.00	.....
"	2 years	.25	2.00	14.00	.....
Niagara,	1 year	.20	1.50	10.00	75.00
"	2 years	.25	2.00	14.00	100.00
Pocklington,	1 year	.30	2.50	18.00	.....
"	2 years	.40	3.50	22.00	.....
Regal,	1 year	.35	3.00	25.00	.....
"	2 years	.40	3.50	30.00	.....
Salem,	1 year	.25	2.00	15.00	.....
"	2 years	.35	3.00	20.00	.....
Worden,	1 year	.20	1.50	10.00	75.00
"	2 years	.25	2.00	14.00	100.00
Wyoming,	1 year	.25	2.50	16.00	.....
"	2 years	.30	2.50	20.00	.....

BY { Unless noted, 1 year vines, 30 cts., 4 for \$1.00.
MAIL { Unless noted, 2 year vines, 45 cts., 3 for \$1.00

BLACK GRAPES

Campbell. Strong grower, with large, healthy foliage; productive. Ripens with Moore's Early. Bunch and berry large glossy black with blue bloom, sweet and juicy, seeds few and small, part readily from the pulp. By mail, 1 year, 20 cts.; 6 for \$1.00.

Concord. The leading market, vineyard and home garden variety, with which all others are habitually compared. No matter how small the number of grapes planted in the yard, Concord is almost sure to be included; and in regular vineyards throughout the country, Concord has been depended upon for the main crop. By mail, 1 year, 20 cts.; 6 for \$1.00.

Ives. Berries and compact bunches medium size; excellent wine quality.

King. Is as hardy and strong a grower as the Concord, pulp more tender, flavor nearly the same but more sprightly, ripening just after Worden. The berry is too large and bunch too compact to make it a good long distance shipper, but for local high priced trade or family use it is one of the best. (*Illustrated on third page of cover.*) By mail, 1 year, 40 cts.; 2 years, 50 cts.

Moore's Early. Bunch medium, berry large round with heavy bloom, vine exceedingly hardy. Its earliness makes it desirable for an early market and particularly adapts it to Canada and the north; also succeeds admirably in the south.

Worden. Resembles Concord, but is sweeter, larger in bunch and berry, and a week to ten days earlier.

RED or AMBER GRAPES

Agawam. Berries large, thick skinned, sweet, aromatic, sprightly. Closely follows Concord, keeping much longer.

Brighton. High quality, handsome, large, productive, adaptable. One of the most popular reds.

Caco. A new variety originating in Delaware and widely heralded as the very best red grape known. Its name and derivation is a combination of Catawba and Concord. The vines are strong and vigorous, as yet untouched by disease of any kind. The fruit is very large in handsome, complete bunches; in color a rich wine red over amber. Exceptionally early bearing, usually showing several good-sized bunches the second year. Its flavor is luscious, sweet, delightful, distinctive. By mail, 1 year 60 cts.; 2 years 75 cts.

Catawba. A great wine grape; fine for dessert; an extra long keeper. Ripens late; when full ripe, color dull copper red, flavor richly sweet and musky.



Regal—Red

Delaware. The exquisite little American dessert grape. Handsome, reliable, very highest quality, with an unmatched spiciness and sweetness.

Lindley. (Rogers' No. 9.) Berries medium to large; flesh tender, sweet and aromatic; ripens early.

Lucile. A beautiful bright color, berry and bunch of good size; extremely prolific; in season with or before Worden. The vine growth is prodigious, clean and immune, one of the hardiest. Fruit flavor is foxy and peculiar, but sweet even before fully ripe.

Regal. Very hardy, having endured thirty degrees below zero without injury. A short; jointed, vigorous and healthy grower; ripens its wood early. Exceedingly productive, the cluster medium to large, cylindrical, very compact and alluring; berries very large, dark red, juicy, piquantly flavored; pulp tender, seeds easily freed; skin thin but tough. By mail, 1 year, 45 cts.; 2 years, 50 cts.

Salem. A good, reliable variety, well colored; sprightly flavored.

Wyoming. Hardy, early, productive, good sized in bunch and berry; brisk, sweet flavor.

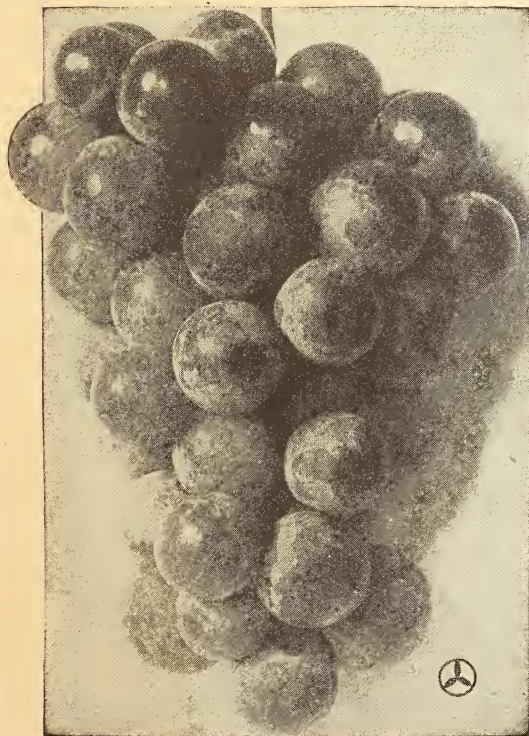
WHITE GRAPES

Diamond. The leading early white grape, ripening slightly before Niagara, between Worden and Concord. White, with rich yellow tinge, juicy; few seeds, almost free from pulp, excellent quality; above medium size, adheres firmly to stem.

Green Mountain. (Winchell.) An extra early variety from Vermont. Skin thin, pulp tender and sweet, quality superb. Bunch and berry medium size. Vine hardy, vigorous and productive. By mail, 1 year, 60 cts.; 2 years, 70 cts.

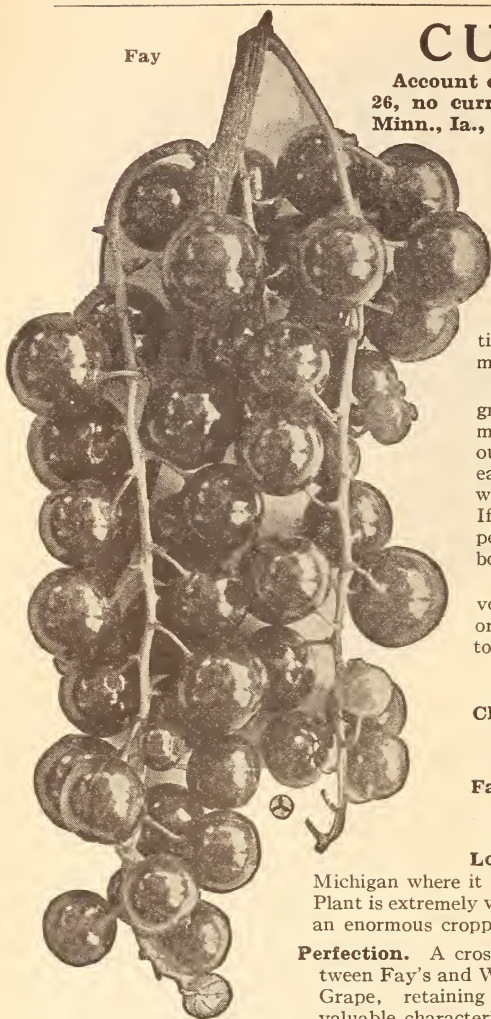
Niagara. The standard white grape, occupying the same position among the white varieties as Concord among the black. Bunch and berries larger, greenish white changing to pale yellow when fully ripe. Skin thin but tough; a rampant grower, good for arbors.

Pocklington. Beautiful golden color when ripe, enhancing the delight of its luscious sweetness and individual flavor. Ripens late and keeps well. It is juicy and tender, with very little pulp.



The New Caco Grape

Fay



CURRENTS

Account of Blister Rust Quarantine No. 26, no currants may be shipped west of Minn., Ia., Mo., Ark. and La.

Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment; indispensable for table use, jellies, etc.; and large quantities are required for market.

Set 4 feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with hellebore.

Currant bushes in verdant prime are quite ornamental; often used to divide rear lawn and garden.

White Grape Currants



RED CURRENTS

Cherry. Large berries on short clusters; a robust fruitful sort. The vigorous, stocky bushes produce great quantities of bright red fruit. The berries have thin skins, and possess a remarkable fine flavor.

Fay. Of unprecedented popularity, and long the leading market variety over a wide section of country. Extra large stems and berries, uniform in size, easily picked, exceedingly productive.

London Market. For many years this variety has been fruiting in Michigan where it is regarded as the best market variety of that great fruit state. Plant is extremely vigorous with perfect foliage, which it retains through the season; an enormous cropper. For any use—home garden or market—one of the best.

Perfection. A cross between Fay's and White Grape, retaining the valuable characteristics

of both parents. Beautiful, bright red, holding its large size to end of bunch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation. By mail, 1 yr., 40 cts.; 3 for \$1.00.

Wilder. Compared with the celebrated Fay is equal in size, with longer bunch, better in quality, with much less acidity, ripens at same time, continues on bunch much longer, fully as prolific.

WHITE CURRENTS

White Grape. Very large; yellowish white; sweet or very mild acid; valuable for the table.

PRICE OF CURRENTS	Each	Per 10	Per 100
Cherry, 1 year.....	\$0.15	\$1.20	\$ 10.00
" 2 years.....	.20	1.50	12.00
Fay, 1 year.....	.15	1.20	7.00
" 2 years.....	.20	1.50	9.00
London Market, 2 years...	.20	1.50	12.00
Perfection, 1 year.....	.30	2.50	18.00
" 2 years.....	.35	3.00	22.00
Wilder, 1 year.....	.15	1.20	7.00
" 2 years.....	.20	1.50	9.00
White Grape, 1 year.....	.20	1.50	10.00
" 2 years.....	.25	2.00	14.00

Unless noted, 1 year, by mail, 30 cts.; 4 for \$1.



Perfection



Downing Gooseberries

GOOSEBERRIES

Account of Blister Rust Quarantine No. 26, no Gooseberries may be shipped west of Minn., Ia., Mo., Ark. and La.

The three fine varieties listed below are all of American origin, and well tested in all sections. Set 3 to 4 feet apart, in good rich soil, and give a liberal dressing of manure every season. Yearly pruning is essential. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide (liver of sulphur)—one ounce to four gallons of water.

PRICE of GOOSEBERRIES

	Each	Per 10	Per 100
Downing, 1 year.....	\$0.20	\$1.50	\$ 10.00
“ 2 years.....	.25	2.00	14.00
Houghton, 1 year.....	.15	1.20	9.00
“ 2 years.....	.20	1.50	12.00
Josselyn, 1 year.....	.30	2.50	20.00
“ 2 years.....	.40	3.00	25.00

Downing. Large, handsome, pale green, and of splendid quality for both cooking and table use; bush vigorous grower, and usually free from mildew. By mail, 35 cts. each; \$1.00 for 4.

Houghton. Medium; roundish, oval, pale red, sweet, tender, very good; plants spreading; shoots slender, enormously productive. By mail, 30 cts.; \$1.00 for 5.

Josselyn. Large sized, smooth, prolific and hardy, of best quality; freest from mildew, both in leaf and fruit, of them all. A wonderful cropper, with bright, clean, healthy foliage. By mail, 40 cts.; \$1.00 for 3.

BLACKBERRIES

Should be planted in rows six to seven feet apart, three to five feet in the row. Keep the ground light and rich. Pinch the canes back at four feet in height.

PRICE OF BLACKBERRIES

	Per 10	Per 100
Blowers.....	\$0.75	\$5.50
Early Harvest, and Snyder.....	.60	4.00
Eldorado, and Mersereau.....	.70	5.00
Lucretia Dewberries.....	.60	4.00

Blowers. Originated in the celebrated small fruit belt of Chautauqua County, N. Y. Claimed to be the hardiest and most productive, and to bring on the market the highest price of all blackberries. Has produced 2694 berries on one bush, 2720 quarts on 1-3 acre. Large size, jet black, good shipper, best quality; unexcelled productiveness are the main characteristics of this splendid new sort.

By mail, 15 for \$1.35; 100 for \$6.00.

Early Harvest. Not entirely hardy in the north and needs winter protection. Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer. Fruit medium size. By mail, 10 for 95 cts.; 100 for \$4.75.

Eldorado. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black; borne in large clusters, and ripen well together, they are very sweet, melting and pleasing to the taste; have no hard core, and keep eight or ten days after picking with quality unimpaired. By mail, 15 for \$1.25; 100 for \$5.75.

Mersereau. Remarkably strong grower, upright, producing stout, stocky canes. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; extra quality; sweet, rich, melting, without core. By mail, 15 for \$1.25; 100 for \$5.75.

Snyder. Enormously productive, medium sweet, no hard, sour core. The leading variety where hardiness is the consideration. Ripens early.

By mail, 10 for 95 cts.; 100 for \$4.75.

DEWBERRY

Lucretia. It equals any of the tall-growing sorts. Perfectly hardy, healthy and remarkably productive, with large, showy flowers. The fruit, which ripens early; is often one and one-half inches long by one inch in diameter; soft, sweet and luscious throughout.

By mail, 12 for \$1.00; 100 for \$4.50

**Snyder
Blackberry**





RASPBERRIES

Will do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they have done bearing, cut out the old wood to give more vigor to the young canes. All kinds of Raspberries are benefitted by mulching both in summer and winter. Plant in rows five feet apart, three feet apart in the row.

PRICE of RASPBERRIES

	Per 10	Per 100	Per 1000
Black—Cumberland, and			
Plum Farmer.....	\$0.50	\$3.00	\$25.00
" Gregg.....	.55	3.50	28.00
Red—Cuthbert.....			
" Columbian.....	.60	5.00	40.00
" Herbert.....	.70	5.00	40.00
" June.....	.70	5.00	40.00
" King.....	.50	3.50	30.00
" Latham.....	1.00	7.50	.....
" Marlboro.....	.50	3.50	.....
" Perfection.....	.60	5.00	.....
" St. Regis.....	.50	3.50	28.00
Yellow—Golden Queen.....	.75	6.00	.....

By mail, unless noted, 10 for 75 cts.; 100 for \$4.00.

RED RASPBERRIES

Columbian. Very large, purplish color, rather soft, rich, sprightly flavor unrivalled for canning, making jam, jelly, etc.; wonderful vigor and productiveness. By mail, 10 for 85 cts.; 100 for \$5.75.

Cuthbert ("Queen of the Market.") A remarkably strong, hardy variety; standing the northern winter and southern summers equal to any. Very large, conical berries, measuring three inches around, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

Herbert. In hardiness it easily takes first place, standing a lower temperature than any other kind. Fruit bright red, somewhat oblong, larger than Cuthbert, flavor very sweet and juicy. Season 5 to 6 days before Cuthbert. By mail, 10 for 85 cts.; 100 for \$5.75.

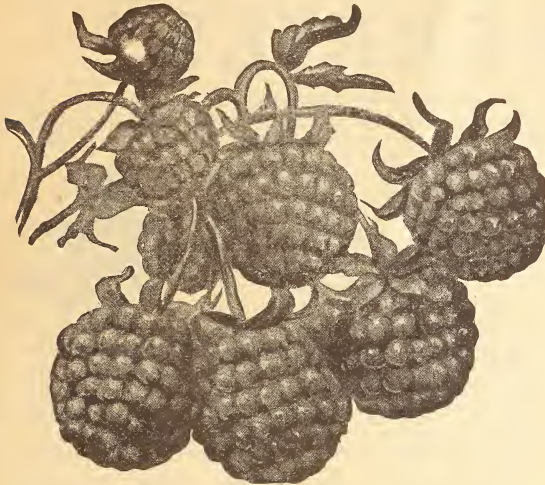
June. The earliest and only kind to fruit in June, thus earning its pretty name. A first-class variety with fruit superior to the old timers, and earlier, which is also as vigorous in growth, hardy, and as adaptable to all kinds of soil. June bears heavily and with undiminished size over a long period, the fruit shipping well and making a handsome appearance in the markets. It shows the bright red color of London; is larger and rounder than Cuthbert; its quality is equal to any; and — joy to the pickers — it has no thorns. By mail, 10 for 85 cts.; 100 for \$5.75.

King. Plant is a strong grower. Berry is firm, a good shipper; large size; beautiful bright scarlet color; ripens with the earliest.

Latham. THE NEW MOSAIC-FREE, HARDY RED RASPBERRY.

This remarkable and very desirable new variety makes its commercial advent at an opportune time, when critical inspection and official control work hardship for any stock not perfectly free from Mosaic or other raspberry afflictions. This type is certified absolutely *Mosaic-free*, and acceptable anywhere. Latham is perfectly *hardy*, withstanding Manitoba winters without protection. Its *production* is superlative, outyielding even Cuthbert. The berries are large and round, with profitable shipping firmness. The *color* is a richly brilliant red, an eye-catcher on market stands, a delightful table feature, and a perfect canned exhibit. By mail, 15 cts. each; 10 for \$1.25; 100 for \$8.00.

Marlboro. Large size, light crimson color; good quality and firm. Vigorous and productive. The best, well tested, large, early berry for the North.



St. Regis

RED RASPBERRIES—Concluded

Perfection. The strongest grower, making canes 10 feet in height, which are perfectly smooth; tied to stakes it has stood twenty degrees below zero without injuring a bud. Berries bright crimson, mammoth size, in large clusters. By mail, 10 for 85 cts.; 100 for \$5.75.

St. Regis. (Ranere.) Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow fall. Berries bright crimson, large size, rich, sugary with full raspberry flavor. Flesh firm and meaty, a good shipper. Wonderfully prolific. Canes stocky, of strong growth, with abundance of dark green leathery foliage.

BLACK RASPBERRIES

Cumberland. A healthy, vigorous grower, throwing up stout, stocky, well branched canes that produce immense crops. Fruits very profitable; large, firm, quality about same as Gregg, keeps and ships as well as any of the blacks. Mid-season.

Gregg. For many years the leading standard best known market sort. Very productive, large size, firm, meaty berries, covered with heavy bloom.



Plum Farmer. A few days later than Kansas, maturing the entire crop in a very short period; making one of the most profitable early market sorts. The berries are large, thick-meated, firm; attractive, with a bloom similar to Gregg.

YELLOW RASPBERRIES

Golden Queen. A beautiful, large golden yellow berry surpassing Cuthbert in size, beauty, quality and adaptability. This variety is not only one of the most delicious to the taste, but makes an enticing appearance when served fresh, either alone or in mixture with the other colors of berries. Canes hardy, of strongest growth, productive. By mail, 10 for 90 cts.; 100 for \$6.75.

RHUBARB "PIE PLANT"

PRICE OF RHUBARB Each Per 10 Per 100
Linnaeus and Queen.....\$0.20 \$1.50 \$8.00

Linnaeus. Large, early, tender and fine. The old reliable pie kind. By mail, 25 cts.; \$1.00 for 5.

Queen. Strong, vigorous grower, extra large stalks of decided pink. By mail, 25 cts.; \$1.00 for 5.

ASPARAGUS

Nothing that comes out of the home garden is so much appreciated, as the tender tips and fresh stalks of asparagus. A small bed of them kept weed-free, or a border along the garden edge, will supply the average table for six weeks or more in late spring.

In planting, make soil rich; dig trench; set 12 to 18 inches apart, roots spread out, crown 2 inches below surface; and tamp in returned soil firmly.

Conover. A standard variety of large size, tender and excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

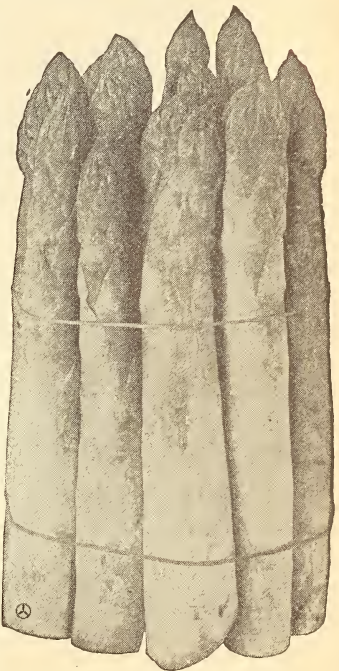
Columbian Mammoth White. A distinct variety of strong vigorous growth, producing very large, white shoots, that in favorable weather remain white until 3 or 4 inches high, or as long as fit for use. By mail, 50 for \$1.00; 100 for \$1.75.

Palmetto. A very early variety; even regular size, of excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

Washington. A new rust-resistant pedigree Asparagus. As a standard variety for the production of fancy Asparagus for the home or market, it stands ahead of all others in size, vigor, tenderness, quality, and rust-resistance. By mail, 50 for \$1.25; 100 for \$2.25.

PRICE OF ASPARAGUS

	Per 10	Per 100	Per 1000
Conover, Columbian, Palmetto, 1 year.....	\$0.30	\$1.50	\$10.00
2 years.....	.60	2.00	12.00
Washington, 1 year.....	.40	2.00	12.00
" 2 years.....	.70	2.50	15.00



STRAWBERRIES

If plants are set 1½ by 3 feet, it will require 9680 plants to an acre

Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. Soil should be thoroughly prepared to a good depth, well drained and enriched. Vegetable manure (muck, rotten turf, wood soil, ashes, etc.) is the best. For field culture set in rows 3 to 3½ feet apart, 15 to 18 inches in rows; for garden 15 inches apart each way, leaving pathway every third row. To produce fine, large fruit, keep in hills, pinching runners off as soon as they appear. Ground should always be kept clean and well cultivated. In winter a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until ground is frozen, or so deep as to smother the plants, and remove covering before growth starts in spring. Mulching will keep the fruit clean and the soil in good condition. (E), (M) and (L) designate early, medium or late. **Imperfect Flower**



Perfect Flower



The blossoms of those varieties marked with (P) are destitute of stamens and are termed "pistillate," and unless a row of perfect flowering variety is planted at intervals not exceeding about a rod, they will produce imperfect fruit and but little of it; but when properly fertilized as a rule they are the most prolific. **Dip in water as soon as received**, and bury the roots in moist, shady ground until ready to set out; do not neglect.



PRICE of STRAWBERRIES	Per 10	Per 100	Per 1000
Mastodon (Everbearing).....	\$0.80	\$5.00	\$ 35.00
Dunlap , Gibson, Glen Mary, Parsons Beauty, Premier, Sample, and Wm. Belt.....	.45	1.20	9.00
Brandywine , Dr. Burrill, Cooper, and Stevens Late...	.50	1.40	10.00

If ordered by Mail, postpaid—add 10 cts. per 10 plants; or 25 cts. per 100 plants.

EVERBEARING STRAWBERRIES

"Everbearing Strawberries" yield fruit continuously from May or June until frost. They are practical croppers, and coming out of ordinary season, bring very profitable prices for market. CAUTION: To obtain the largest size and finest quality of fruit in the fall, keep flowers picked off until about the first of July.

Mastodon. Since introduction of the Everbearing class, many varieties have been tried, improved and supplanted. According to many reports gathered from all berry-growing sections of the country, Mastodon is the last word and outranks all predecessors. It is of immense size, an almost incredible cropper, of choice quality, and the strongest grower yet developed. More productive than most June bearers, its fall pickings are sufficient from but a few plants, and very profitable.

STANDARD VARIETIES

Brandywine. (L) Large, productive, excellent conical form; dark glossy red to center.

Cooper. (M) A new berry of considerable promise for home use and local markets. Good size with pointed end, bright color, fine flavor, and a heavy production; the growth strong.

Dr. Burrill. (M) A marvel of productiveness, quality, color, size and firmness. The fruit is very firm and of even shape; dark, glossy red with yellow seeds and green calyx; making a beautiful combination.

Dunlap. (E) Rampant runner, plants should be restricted. Fruit good size, regular form, beautiful bright red, glossy; firm, splendid keeper and shipper.

Gibson. (M) One of the best and most profitable sorts for both home and market. Strong growers with long roots, abundant foliage, very productive. Berries extra large choice flavored, dark glossy red.

Glen Mary. (M) Berries large to very large, often flattened, bright deep red on surface, light red to center; sweet, rich, good flavor. Productive.

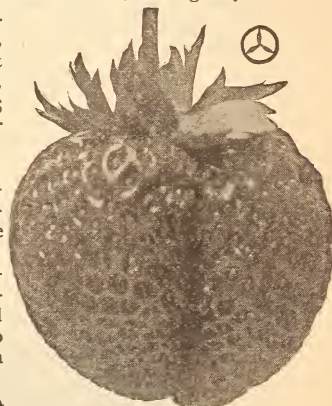
Parsons Beauty. (M) Large, bright red, conical, firm berries, shipping well; productive and profitable.

Premier. (E) Productive; fruit highly colored, firm, a splendid shipper, of superb quality. Strong, clean protecting foliage.

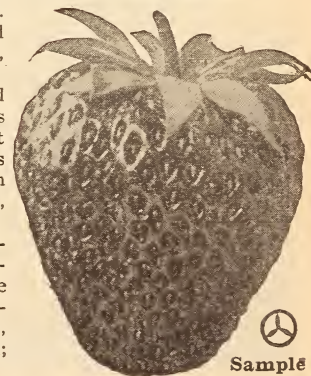
Sample. (P) (L) A standard sort for both home and market. Large dark colored berries in profusion, of uniform size.

Stevens. (L) Good foliage that protects blossoms and fruit from frost. Berries long and uniform in size; color good red, firm for shipment.

Wm. Belt. (M) A reliably productive berry for market or home use. Extra large, conical, uniform in shape, brilliant glossy red; large crops.



Dr. Burrill



Sample

NUT TREES

Almost every farm contains land that should be planted to nut trees. Nuts in many cases pay better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment.

PRICE OF NUTS

	Each	Per 10
Butternut, 2 to 3 feet.....	\$0.60	\$ 5.00
" 3 to 4 feet.....	.70	6.00
" 4 to 6 feet.....	1.00	8.50
Chestnut, Spanish, 2 to 3 feet.....	1.25	10.00
" 3 to 4 feet.....	1.50	12.50
Filbert, American, 1½ to 2 feet.....	.60	5.00
" 2 to 3 feet.....	.75	6.50
" English, 1½ to 2 feet.....	.75	6.50
" 2 to 3 feet.....	1.00	9.00
" 3 to 4 feet.....	1.25	11.50
Walnut, Black, 3 to 4 feet.....	.75	6.50
" 4 to 6 feet.....	.90	8.00
" 6 to 8 feet.....	1.25	11.50
" Japan—Sieboldi and Max-		
Cordiformis, 3 to 4 feet.....	1.00	8.00
" 4 to 6 feet.....	1.25	10.00
" 6 to 8 feet.....	1.50	12.50
" English, 1½ to 2 feet.....	.85	7.50
" 2 to 3 feet.....	1.00	9.00

CHESTNUTS

Spanish. A handsome round headed tree producing abundantly very large nuts that find a ready market at good prices. Not so sweet as the American and tree not so hardy.

FILBERTS

American. The common Hazelnut. Will grow in almost any location, but prefers a rather moist soil, such as can be found along streams. Nuts are tender and of fine flavor.

English. Of easiest culture, growing 6 to 8 feet high, entirely hardy, and one of the most profitable and satisfactory nuts to grow, succeeding on almost all soils, bearing early and abundantly; nuts nearly round, rich and of excellent flavor, admired for the dessert.

WALNUTS

Black. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet ware, and brings the highest price in market.

Butternut or White Walnut. Native tree, producing a large nut. Has a sweet, oily nutritious kernel. Mail size, 30 cts.; 4 for \$1.00.

English. Where hardy, it produces immense crops of thin-shelled delicious nuts, which are always in demand at good prices; fruit in green state is highly esteemed for pickling. Will not grow in the North. Mail size, 50 cts.; 3 for \$1.25.

Japan, Max-Cordiformis. Differs from Sieboldi in form of nuts, which are broad-pointed, flattened, resembling Hickory.

Japan, Sieboldi. Perfectly hardy, rapid grower. handsome form, immense leaves; bears young and abundantly. Nuts produced in clusters; resembles Butternut in shape and quality; smaller; smooth and thinner shell. Mail size, 40 cts.; 3 for \$1.00.

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